	STATE OF UTAH												
					STATE PARTMENT OF N IVISION OF OIL	ATURAL RES			AMENI	DED REPOI	RT 🗾		
ADDITORTYON FOR REPAIR TO COV.									1. WELL NAME and NUMBER				
APPLICATION FOR PERMIT TO DRILL 2. TYPE OF WORK									Lake Fork Ranch 4-26B4				
2. 1196		DRILL NEW WELL	REENTER	P&A WELL	DEEPEN WEI	т()		3. FIELD OR WIL	OCAT ALTAM	IONT			
4. TYPE	OF WELL	0	il Well Co	albed Methane	Well: NO			5. UNIT or COMM	UNITIZAT	ION AGRI	EMENT	NAME	
6. NAME	OF OPERATO	R	EL PASO E8	P COMPANY, L	.P			7. OPERATOR PH	ONE 713 420	0-5038			
8. ADDR	ESS OF OPER		1001 Louisiana St	., Houston, TX	, 77002			9. OPERATOR E-M	IAIL aria.gomez	@elpaso.co	om		
	ERAL LEASE N L, INDIAN, O	R STATE)		11. MINE FEDERAL	RAL OWNERSHI	Page 1997	FEE (Î	12. SURFACE OW FEDERAL I	NERSHIP NDIAN	STATE	<u> </u>	FEE (📵)	
13. NAM	E OF SURFAC	Fee E OWNER (if box		k Ranch, Inc.			_	14. SURFACE OW	NER PHON 435-45				
15. ADD	RESS OF SUR	FACE OWNER (if			□ IIT 84051			16. SURFACE OW			12 = 'fe	ee')	
		E OR TRIBE NAM		18. INTE	ND TO COMMING	LE PRODUCT	ION FROM	19. SLANT					
(if box 1	2 = 'INDIAN')		YES ((Submit Commit	ngling Applicati	ion) NO [VERTICAL ()	IRECTIONA	ıL 🔘 F	IORIZON	ITAL 🛑	
20. LOC	ATION OF W	ELL		FOOTAGES	Q	TR-QTR	SECTIO	ON TOWNSHIP	RA	NGE	МЕ	RIDIAN	
LOCATI	ON AT SURFA	CE	1779	9 FSL 1775 F	EL	NWSE	26	2.0 S	4.	0 W		U	
Top of l	Jppermost Pr	oducing Zone	1779	FSL 1775 F	EL	NWSE	26	2.0 S	4.	0 W	U		
At Tota	Depth		1779	9 FSL 1775 F	SL 1775 FEL NWSE 26		2.0 S	2.0 S 4		4.0 W U			
21. COUNTY DUCHESNE 22. DISTANCE TO NEAREST LEAD 1775							IE (Feet)	23. NUMBER OF A	CRES IN E		UNIT		
25. DISTANCE TO N (Applied For Drillin							SAME POOL	26. PROPOSED D		TVD: 137	50		
27. ELEVATION - GROUND LEVEL 28. BOND NUMBER								29. SOURCE OF D			IF APPI	LICABLE	
		6337		u _a la	400.	JU0708	ormation		43-8	362			
String	Hole Size	Casing Size	Length	Weight			Mud Wt.	Cement		Sacks	Yield	Weight	
COND	17.5	13.375	0 - 600	54.5	J-55 ST&		8.9	Class G		400	1.15	15.6	
SURF	12.25	9.625	0 - 4500	40.0	K-55 LT&	.C	10.0	Premium Lite High Strength		1060	1.78	12.0	
								Class G		190	1.25	14.1	
I1	8.75	7	0 - 10564	29.0	P-110 LT8	ķС	13.0	Premium Lite High S	Strength	540	1.78	12.0	
								Class G		40	2.3	12.5	
L1	6.125	4.5	10364 - 1375	13.5	P-110 LT8	kC	13.0	Class G		230	1.53	14.1	
					ATTAC	HMENTS							
	VERIFY	THE FOLLOWI	NG ARE ATTA	CHED IN AC	CCORDANCE W	ITH THE UT	TAH OIL A	ND GAS CONSERVA	TION GE	NERAL R	ULES		
∠ w	ELL PLAT OR	MAP PREPARED	BY LICENSED S	URVEYOR OF	RENGINEER	№ сом	IPLETE DRII	LING PLAN					
I ✓ AF	FIDAVIT OF	STATUS OF SURI	FACE OWNER AG	REEMENT (I	F FEE SURFACE)	FORM	4 5. IF OPEI	RATOR IS OTHER THAN	THE LEAS	E OWNER			
DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY TOPOGRAPHICAL MAP													
NAME Maria S. Gomez TITLE Sr. Regulatory Analyst							PHONE 713 420-5038						
NAME M		:		TITLE Sr. Re	egulatory Analyst			PHONE 713 420-5038					
NAME M	laria S. Gomez			DATE 04/29				PHONE 713 420-5038 EMAIL maria.gomez@e	paso.com				
SIGNAT	laria S. Gomez	NED					7		paso.com				

Lake Fork Ranch 4-26B4 Sec. 26, T2S, R4W DUCHESNE COUNTY, UT Revised 8/2/11

EL PASO E&P COMPANY, L.P.

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers

<u>Formation</u>	<u>Depth</u>
Green River (GRRV) Green River (GRTN1) Mahogany Bench L. Green River Wasatch T.D. (Permit)	5,485' 6,349' 7,358' 8,683' 10,464' 13,750'
` '	,

2. Estimated Depths of Anticipated Water, Oil, Gas or Mineral Formations:

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
		5,485'
	Green River (GRTN1)	6,349'
	Mahogany Bench	7,358'
Oil	L. Green River	8,683'
Oil	Wasatch	13,750'
_	L. Green River	6,349 7,358 8,683

3. Pressure Control Equipment: (Schematic Attached)

A 4.5" by 20.0" rotating head on structural pipe from surface to 600'. A 4.5" by 13 3/8" Smith Rotating Head from 600' to 4500' on Conductor. A 5M BOP stack, 5M kill lines and choke manifold used from 4,500' to 10,564'. A 10M BOE w/rotating head, 5M annular, blind rams & mud cross from 10,564' to TD.

The BOPE and related equipment will meet the requirements of the 5M and 10M system.

OPERATORS MINIMUM SPECIFICATIONS FOR BOPE:

The surface casing will be equipped with a flanged casing head of 5M psi working pressure. An 11" $5M \times 11$ " $10M \times 11$ " 10M

tested to 250 psi low lest and 4,000 psi high test. The 10M BOP will be installed with 3 ½" pipe rams, blind rams, mud cross and rotating head from intermediate shoe to TD. The BOPE will be hydraulically operated.

In addition, the BOP equipment will be tested after running intermediate casing, after any repairs to the equipment and at least once every 30 days. Pipe and blind rams will be activated on each trip, annular preventer will be activated weekly and weekly BOP drills will be held with each crew.

Statement on Accumulator System and Location of Hydraulic Controls:

Precision Rig # 404 is expected to be used to drill the proposed well. Operations will commence after approval of this application. Manual and/or hydraulic controls will be in compliance with 5M and 10M psi systems.

Auxiliary Equipment:

- A) Mud logger with gas monitor 5,400' to TD
- B) Choke manifold with one manual and one hydraulic operated choke
- C) Full opening floor valve with drill pipe thread
- D) Upper and lower Kelly cock
- E) Shaker, desander and desilter.

4. Proposed Casing & Cementing Program:

Please refer to the attached Wellbore Diagram.

All casing will meet or exceed the following design safety factors:

- Burst = 1.00
- Collapse = 1.125
- Tension = 1.2 (including 100k# overpull)

Cement design calculations will be based on 10% excess over gauge hole volumes. Actual volumes pumped will be a minimum of 10% excess over caliper volume to designed tops of cement for any section logged. 50% excess over gauge volume will be pumped on surface casing.

5. **Drilling Fluids Program:**

Proposed Mud Program:

Interval	Type	Mud Weight
Surface	WBM	8.4 – 8.9
Intermediate	WBM	8.4 – 10.0
Production	WBM	10.0 – 13.0

Anticipated mud weights are based on actual offset well bottom-hole pressure data. Mud weights utilized may be somewhat higher to allow for trip margin and to provide hole stability for running logs and casing.

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Visual mud monitoring equipment will be utilized.

6. **Evaluation Program**:

Logs:

Mud Log: 5,400 - TD.

Open Hole Logs: Gamma Ray, Neutron-Density, Resistivity, Sonic, from base of

surface casing to TD.

7. Abnormal Conditions:

Maximum anticipated bottomhole pressure calculated at 13,750' TD equals approximately 9,295 psi. This is calculated based on a 0.676 psi/foot gradient (13 ppg mud density at TD).

Maximum anticipated surface pressure equals approximately 6,270 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/ft).

Maximum anticipated surface pressure based on frac gradient at 7" casing shoe is 0.8 psi/ft at 10,564' = 8,451 psi

BOPE and casing design will be based on the lesser of the two MASPs which is 6,270 psi.

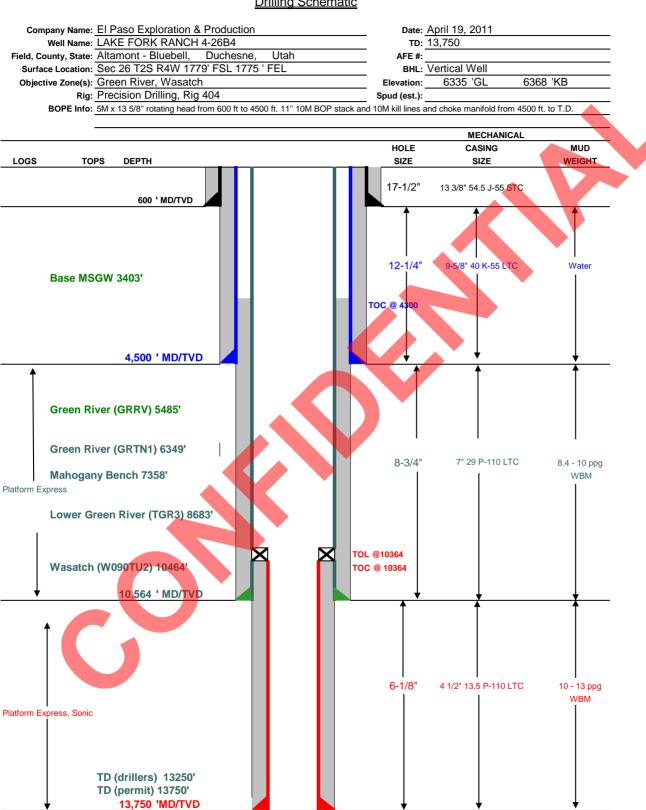
8. OPERATOR REQUESTS THAT THE PROPOSED WELL BE PLACED ON CONFIDENTIAL STATUS.

RECEIVED: April 29, 2011

Page 1/2



Drilling Schematic



WBD int

Page 2/2

DRILLING PROGRAM

CASING PROGRAM

							DEGICIT ACTOR	
	SIZE	INTERVAL	WT.	GR.	CPLG.	BURST	COLLAPSE	TENSION
		•						
						2,730	1,130	1,399
CONDUCTOR	13 3/8"	0' - 600	54.5	J-55	STC	3.41	2.44	25.67
						3,950	2,570	561
SURFACE	9-5/8"	0' - 4500	40.00	K-55	LTC	1.10	1.22	2.20
						11,220	8,530	797
INTERMEDIATE	7"	0' - 10564	29.00	P-110	LTC	1.33	1.55	2.22
						12,410	10,680	338
PRODUCTION LINER	4 1/2"	10364' - 13750	13.50	P-110	LTC	1.34	1.15	2.47

CEMENT PROGR	AM	FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
CONDUCTOR		600	Class G + 3% CACL2	400	10%	15.6 ppg	1.15
SURFACE	Lead	4,000	12.0 TXI Lead Slurry w/ 1% Extender +	1060	50%	12.0 ppg	1.78
			.05% FLA + .5% Antifoam + .75% Retarder				•
	Tail	500	Class G 50:50 poz, 2% CaCl2, 2% gel	190	50%	14.1 ppg	1.25
			0.3% sodium metasilicate				
				, T			
INTERMEDIATE	Lead	5,764	12.0 TXI Lead Slurry w/ 1% Extender +	540	10%	12.0 ppg	1.78
			.05% FLA + .5% Antifoam + .75% Retarder				
			0.2 %bwob D167				
	Tail	500	10:0 RFC (Class G)	40	10%	12.5 ppg	2.30
PRODUCTION LINER		3,386	WellBond Slurry	230	10%	14.1 ppg	1.53
			Class G + 35 #/sk extender + 15% silica +				
			.7% gas control agent + 0.3% Dispersant				
			0.4% retarder + 0.2% anti foam +				
			0.25#/sk lost circ control agent				

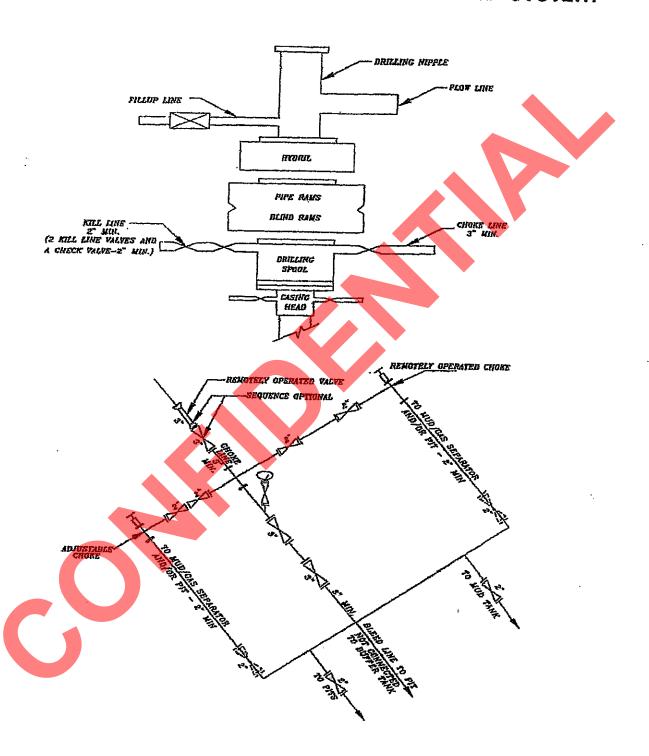
FLOAT EQUIPMENT & CENTRALIZERS

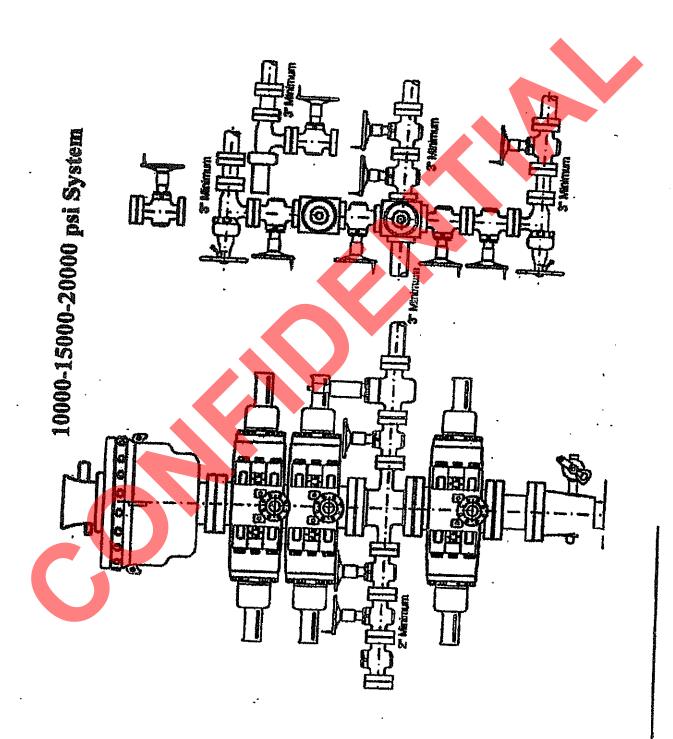
CONDUCTOR	PDC drillable guide shoe, 1 joint, PDC drillable float collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing.
SURFACE	PDC drillable float shoe, 1 joint casing & PDC drillable float collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing & every 3rd joint thereafter.
INTERMEDIATE	PDC drillable 10M,P-110 float shoe, 1 joint, PDC drillable 10M, P-110 float collar. Thread lock all float equipment. Install bow spring centralizers on first 3 joints, then every 3rd joint.
LINER	Float shoe, 3 joints, float collar. Centralizer every other joint. Thread lock all FE

PROJECT ENGINEER(S): Neil McRobbie

MANAGER: Eric Giles

5M BOP STACK and CHOKE MANIFOLD SYSTEM





EL PASO E&P COMPANY, L.P.

LAKE FORK RANCH 4-26B4 SECTION 26, T2S, R4W, U.S.B.&M.

PROCEED NORTH ON PAVED STATE HIGHWAY 87 FROM THE INTERSECTION OF HIGHWAY 87 WITH U.S. HIGHWAY 40 IN DUCHESNE, UTAH APPROXIMATELY 8.62 MILES TO AN INTERSECTION;

TURN RIGHT AND TRAVEL EASTERLY THEN NORTHEASTERLY ON A GRAVEL ROAD 4.18 MILES TO AN INTERSECTION;

TURN RIGHT AND TRAVEL SOUTHEASTERLY THEN SOUTHERLY ON A GRAVEL ROAD 1.00 MILES TO THE BEGINNING OF THE ACCESS ROAD;

TURN LEFT AND FOLLOW ROAD FLAGS SOUTHWESTERLY 0.50 MILES TO THE PROPOSED LOCATION;

TOTAL DISTANCE FROM DUCHESNE, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 14.30 MILES.

Filename: 01128229TITLE.docx

Directory: G:\FIELDS\Altamont\2009-10 Drilling Program\4-26B4 Lake

Fork Ranch\Regulatory

Template: C:\Documents and Settings\mdo2692\Application

Data\Microsoft\Templates\Normal.dotm

Title: Subject:

Author: Mike

Keywords: Comments:

Creation Date: 3/23/2011 10:46:00 AM

Change Number: 2

Last Saved On: 3/23/2011 10:46:00 AM

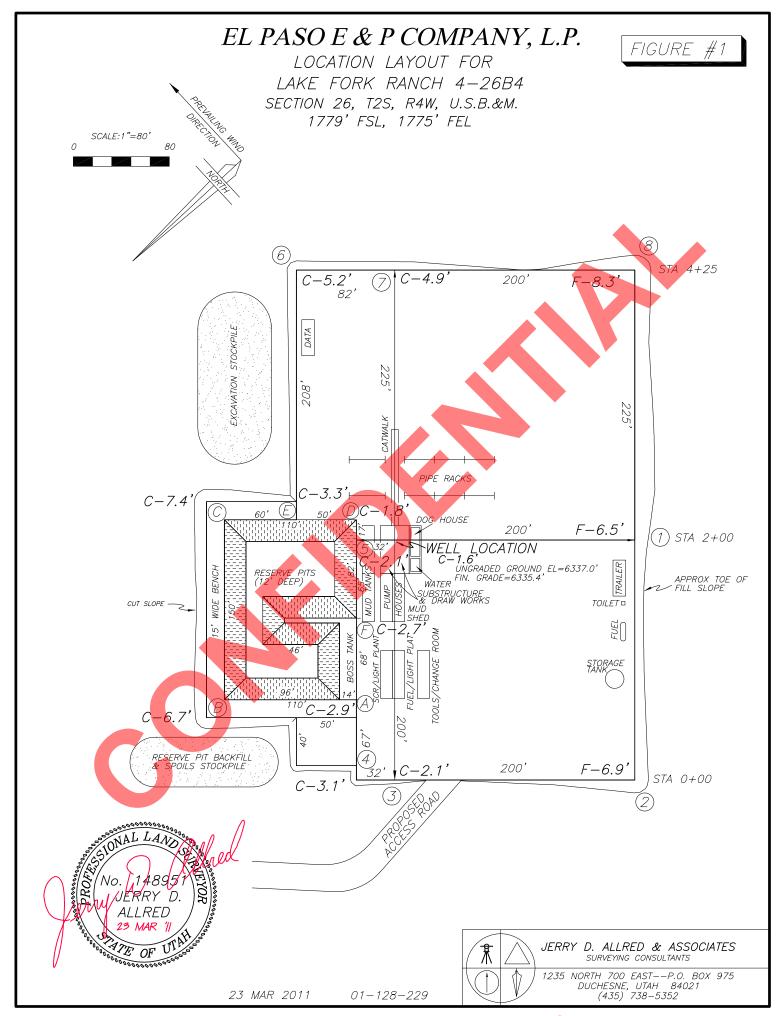
Last Saved By: Jerry Allred Total Editing Time: 1 Minute

Last Printed On: 3/23/2011 1:43:00 PM

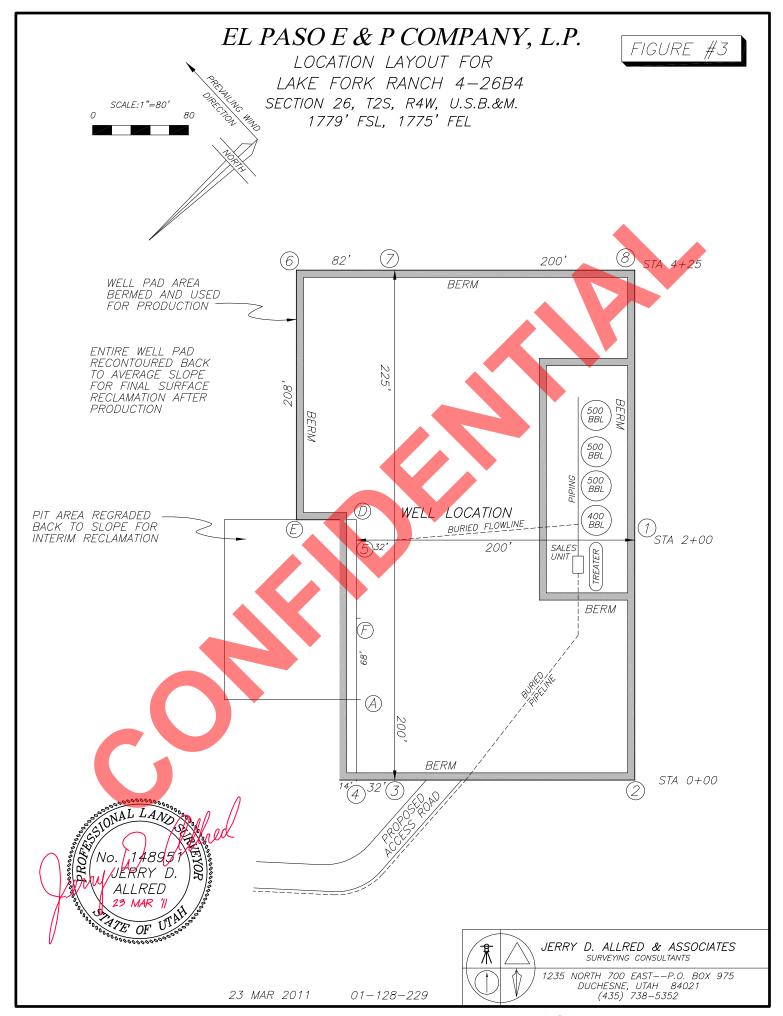
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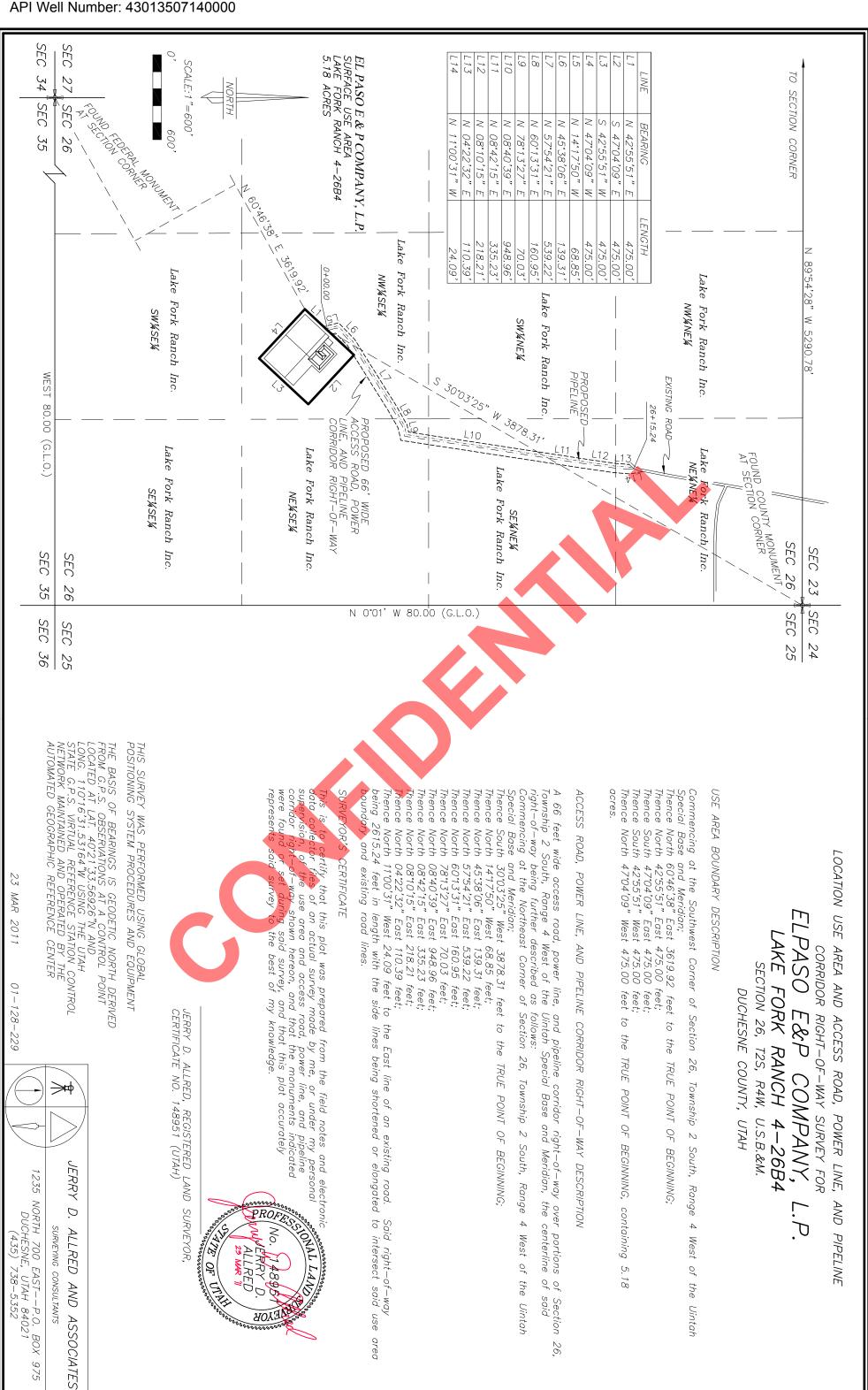
Number of Pages: 1

Number of Words: 95 (approx.) Number of Characters: 544 (approx.)



EL PASO E & P COMPANY, L.P. FIGURE #2 LOCATION LAYOUT FOR LAKE FORK RANCH 4-26B4 SECTION 26, T2S, R4W, U.S.B.&M. 1779' FSL, 1775' FEL X-SECTION SCALE 1"=80' NOTE: ALL CUT/FILL SLOPES ARE 1½:1 UNLESS OTHERWISE 200 82' NOTED EXISTING GROUND LOCATION SURFACE STA 4+25 EXISTING GROUND LOCATION SURFACE PIT 110' 200 XISTING GROUND LOCATION SURFACE STA 2+00 200' EXISTING GROUND LOCATION SURFACE STA 0+00 APPROXIMATE YARDAGES TOTAL CUT (INCLUDING PIT) = 15,180 CU. YDS. PIT CUT = 4570 CU. YDS. TOPSOIL STRIPPING: (6") = 2690 CU. YDS. UERRY D. REMAINING LOCATION CUT = 7920 CU. YDS TOTAL FILL = 7,920 CU. YDS. ATE OF U LOCATION SURFACE GRAVEL=1374 CU. YDS. (4" DEEP) ACCESS ROAD GRAVEL=718 CU. YDS. JERRY D. ALLRED & ASSOCIATES SURVEYING CONSULTANTS 1235 NORTH 700 EAST——P.O. BOX 975 DUCHESNE, UTAH 84021 (435) 738—5352 23 MAR 2011 01 - 128 - 229



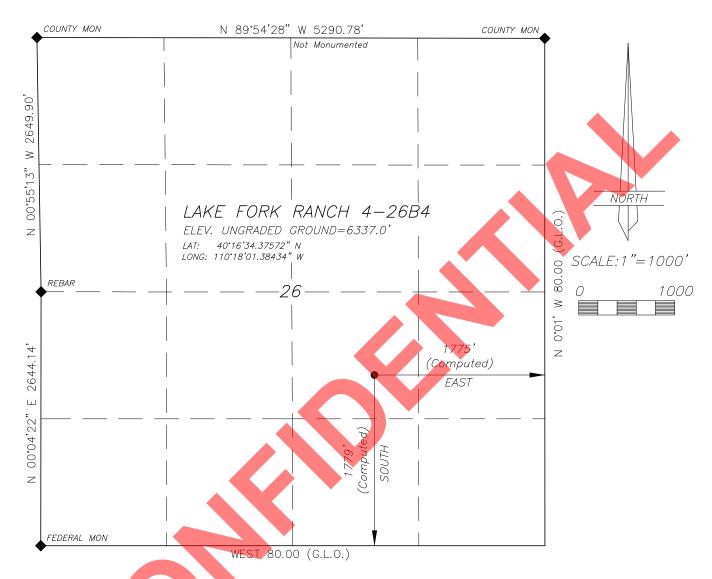




WELL LOCATION

LAKE FORK RANCH 4-26B4

LOCATED IN THE NW¼ OF THE SE¼ OF SECTION 26, T2S, R4W, U.S.B.&M. DUCHESNE COUNTY, UTAH



LEGEND AND NOTES

CORNER MONUMENTS FOUND AND USED BY THIS SURVEY

THE GENERAL LAND OFFICE (G.L.O.) PLAT WAS USED FOR REFERENCE AND CALCULATIONS AS WAS THE U.S.G.S. MAP

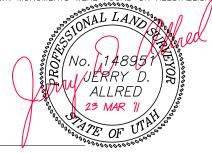
THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT

THE BASIS OF BEARINGS IS GEODETIC NORTH DERIVED FROM G.P.S. OBSERVATIONS AT A CONTROL POINT LOCATED AT LAT. 40°21'33.56926"N AND LONG. 110°16'31.53164"W USING THE UTAH STATE G.P.S. VIRTUAL REFERENCE STATION CONTROL NETWORK MAINTAINED AND OPERATED BY THE AUTOMATED GEOGRAPHIC REFERENCE CENTER

BASIS OF ELEVATIONS: NAVD 88 DATUM USING THE UTAH REFERENCE NETWORK CONTROL SYSTEM

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM THE FIELD NOTES AND ELECTRONIC DATA COLLECTOR FILES OF AN ACTUAL SURVEY PERFORMED BY ME, OR UNDER MY PERSONAL SUPERVISION, DURING WHICH THE SHOWN MONUMENTS WERE FOUND OR REESTABLISHED.



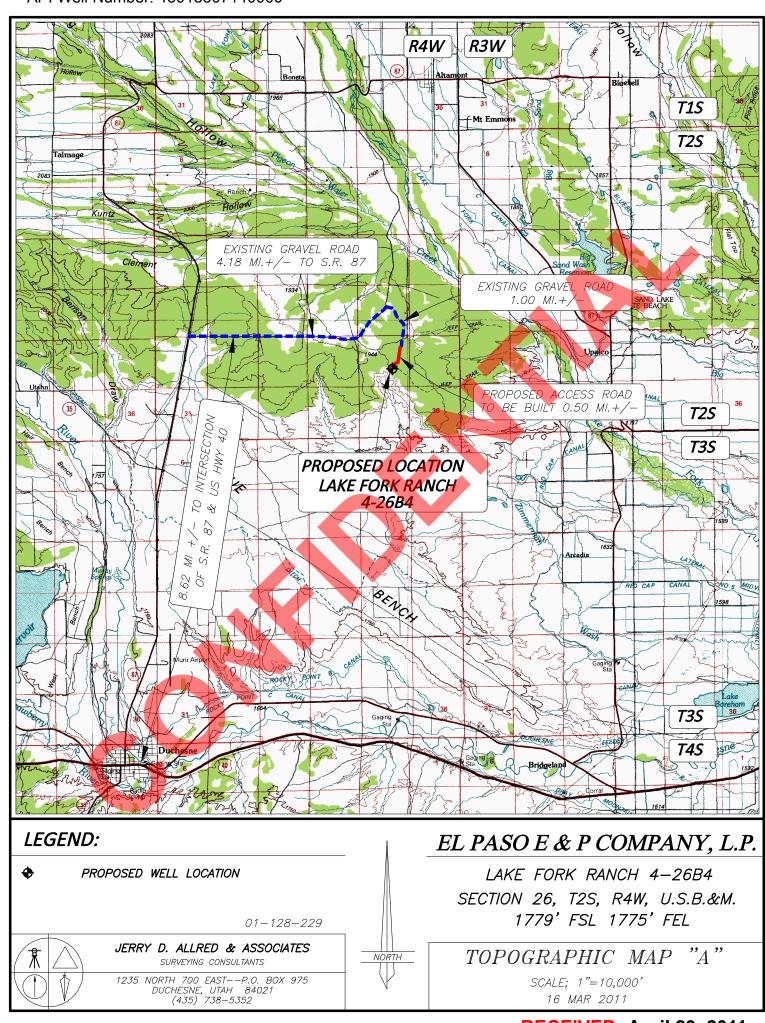
JERRY D. ALLRED, REGISTERED LAND SURVEYOR, CERTIFICATE NO. 148951 (UTAH)



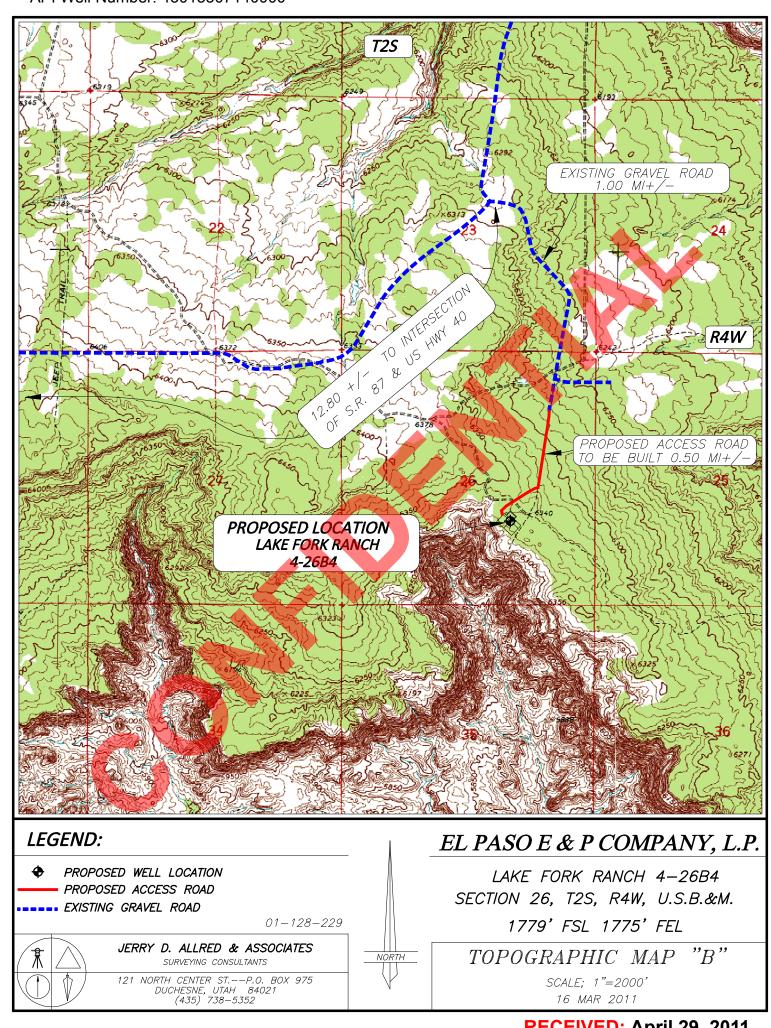
JERRY D. ALLRED & ASSOCIATES SURVEYING CONSULTANTS

1235 NORTH 700 EAST——P.O. BOX 975 DUCHESNE, UTAH 84021 (435) 738—5352

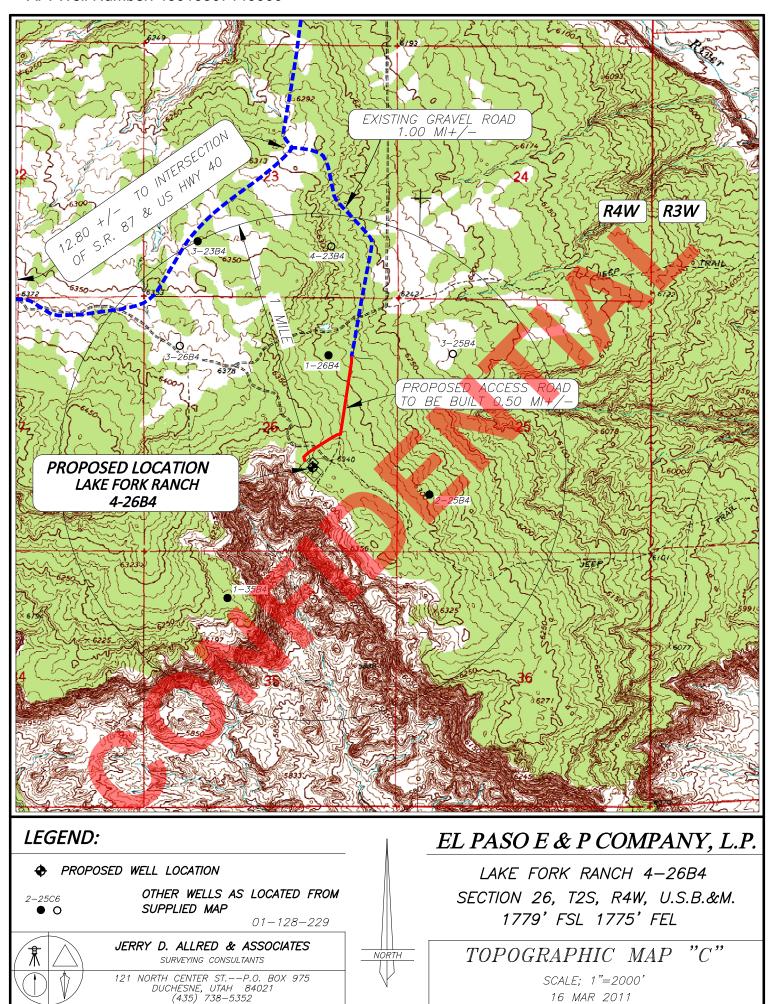
16 MAR 2011 01-128-229



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16 MAR 2011

AFFIDAVIT OF SURFACE DAMAGE AND RIGHT-OF-WAY AGREEMENTS

Catherine L. Hammock personally appeared before me, and, being duly sworn, deposes and says:

1. My name is Catherine L. Hammock. I am a Sr. Staff Landman for El Paso E&P Company, L.P., whose address is 1099 18th Street, Denver, Colorado 80202 ("El Paso").

2. El Paso is the operator of the proposed Lake Fork Ranch 4-26B4 well (the "Well") to be located in the NW/4 of the SE/4 of Section 26, Township 2 South, Range 4 West, USM, Duchesne County, Utah (the "Drillsite Location"). The surface owner of the Drillsite Location is Lake Fork Ranch, Inc., whose address is HC 65, Box 510048, Mountain Home, UT 84051-9801 (the "Surface Owner").

3. El Paso and the Surface Owner have entered into a Damage Settlement and Release Agreement dated April 7, 2011 to cover any and all injuries or damages of every character and description sustained by the Surface Owner or Surface Owner's property as a result of operations associated with the drilling of the Well.

4. El Paso and the Surface Owner have also entered into a Right-of-Way Agreement dated April 7, 2011 for an access road, powerline and pipeline corridor across the N/2 of the SE/4 and the E/2 of the NE/4 of Section 26, Township 2 South, Range 4 West, USM, Duchesne County, Utah.

FURTHER AFFIANT SAYETH NOT.

Catherine L. Hammock

ACKNOWLEDGMENT

STATE OF COLORADO

§

CITY AND COUNTY OF DENVER

Before me, a Notary Public, in and for this state, on this 19th day of April, 2011, personally appeared Catherine L. Hammock, to me known to be the identical person who executed the within and foregoing instrument, and acknowledged to me that she executed the same as her own free and voluntary act and deed for the uses and purposes therein set forth.

My Commission Expires:

NOTARY PUBLIC

RANAE L. JOHNSON NOTARY PUBLIC STATE OF COLORADO

My Commission Expires

9/26/2014

API Well Number: 43013507140000 Application for Permit to Drill – State DOGM Lake Fork Ranch 4-26B4 Duchesne County, Utah

EL PASO E&P COMPANY, L.P.

Related Surface Information

1. Current Surface Use:

Livestock Grazing and Oil and Gas Production.

2. Proposed Surface Disturbance:

- The road will be crown and ditch. Water wings will be constructed on the access road as needed.
- The topsoil will be windrowed and re-spread in the borrow area.
- New road to be constructed will be approximately .50 miles in length and 66 feet wide.
- All equipment and vehicles will be confined to the access road, pad and area specified in the APD.

3. Location Of Existing Wells:

Existing oil, gas wells within one (1) mile radius of proposed well are provided in EXHIBIT C.

4. Location And Type Of Drilling Water Supply:

Drilling water: 43-8362 and Upper Country Water

5. <u>Existing/Proposed Facilities For Productive Well:</u>

- There are no existing facilities that will be utilized for this well.
- A pipeline corridor .50 miles will parallel the proposed access road. The corridor will contain one 4 inch gas line and one 2 inch gas line and one 2 inch Salt Water disposal line. Rehabilitation of unneeded, previously disturbed areas will consist of backfilling and contouring the reserve pit area; backsloping and contouring all cut and fill slopes. These areas will be reseeded. Refer to plans for reclamation of surface for details.
- Upgrade and maintain access roads and drainage control structures (e.g., culverts, drainage dips, ditching, etc.) as necessary to prevent soil erosion and accommodate safe, year-round traffic.

6. <u>Construction Materials:</u>

• Native soil from road and location will be used for construction materials along with gravel and/or scoria road base material. In the event that conditions should necessitate graveling of all or part of the access road and location, surfacing materials will be purchased from commercial suppliers in the marketing area.

7. Methods For Handling Waste Disposal:

- The reserve pit will be designed to prevent the collection of surface runoff and will be constructed with a minimum of ½ the total depth below the original ground surface on the lowest point with the pit. The pit will be lined with a 20-mil polyethylene to prevent leakage of fluids. The liner will be rolled into place and secured at the ends, i.e. buried on top of the pit berms. Prior to use, the reserve pit will be fenced on three sides; the fourth side will be fenced at the time the rig is removed. Drilling fluids, cuttings and produced water will be contained in the reserve pit (trash will be place in the trash cage). Fluids in the reserve pit will be allowed to evaporate prior to pit burial.
- Garbage and other trash will be contained in the portable trash cage and hauled off the location to an authorized disposal site. Any trash on the pad will be cleaned up prior to the rig moving off location and hauled to an authorized disposal site.
- Sewage will be handled in Portable Toilets.
- Produced water will be placed in the reserve pit for a period not to exceed ninety days after initial production. Any
 hydrocarbons produced during completion work will be contained in test tanks and removed from the location at a
 later date.
- Water from the reserve pit may be used for drilling of additional wells. The water will be trucked along access roads as approved in pertinent APD's

8. Ancillary Facilities:

There will be no ancillary facilities associated with this project.

RECEIVED: April 29, 2011

API Well Number: 43013507140000 Page 2 Application for Permit to Drill – State DOGM Lake Fork Ranch 4-26B4 Duchesne County, Utah

9. Surface Reclamation Plans:

Backfilling of the pits will be done when dry. In the event of a dry hole, the location will be re-contoured, the topsoil will be distributed evenly over the entire location, and the seedbed prepared.

- Seed will be planted after September 15th, and prior to ground frost, or seed will be planted after the frost has left and before May 15th. Slopes to steep for machinery will be hand broadcast and raked with twice the specified amount of seed.
 - 1. The construction program and design are on the attached cut, fill and cross sectional diagrams.
 - 2. Prior to construction, all topsoil will be removed from the entire site and stockpiled. Topsoil for this site is the first 6 inches of soil materials.
 - 3. After the location has been reshaped and after redistributing the topsoil, the operator will rip and scarify the drilling platform and access road on the contour, to a depth of at least 12 inches.
- Rehabilitation will begin upon the completion of the drilling. Complete rehabilitation will depend on weather conditions and the amount of time required to dry the reserve pit.
 - 1. All rehabilitation work including seeding will be completed as soon as weather and the reserve pit conditions are appropriate.
 - 2. Landowner will be contacted for rehabilitation requirements.

10. Surface Ownership:

Lake Fork Ranch, Inc. HC 65, Box 510048 Mountain Home, Utah 84051-9801

Phone: 435-454-3546 home 435-823-7810 cell

Other Information:

- The surface soil consists of clay, and silt.
- Flora vegetation consists of the following: Sagebrush, Juniper and prairie grasses.
- Fauna antelope, deer, coyotes, raptors, small mammals, and domestic grazing animals.
- Current surface uses Livestock grazing and mineral exploration and production.

Operator and Contact Persons:

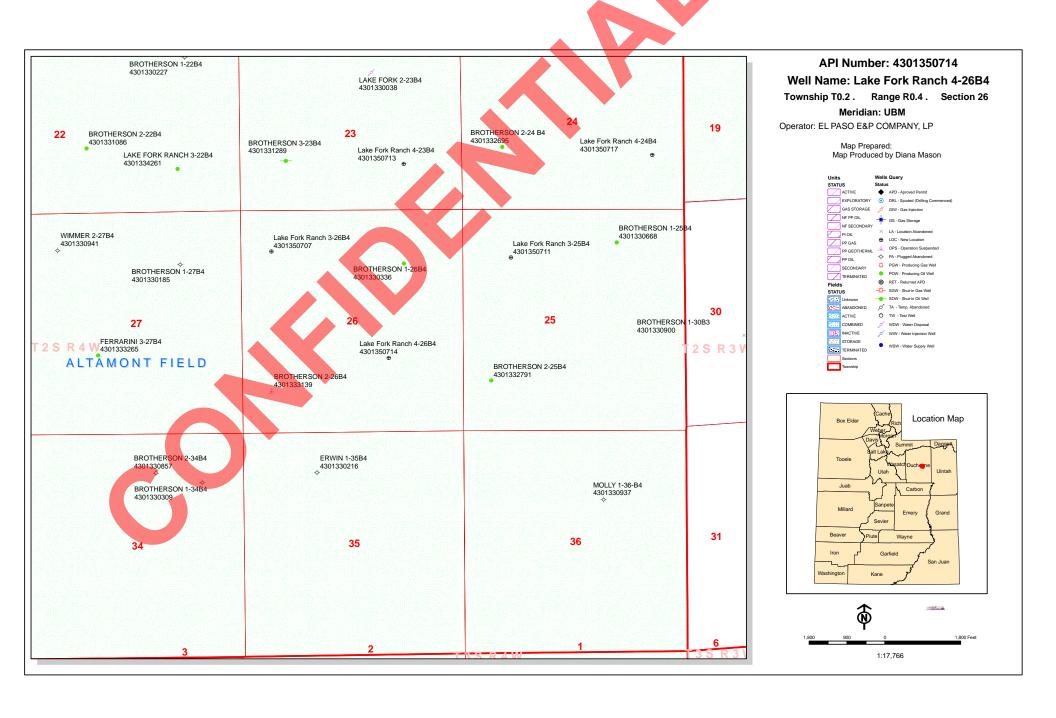
Construction and Reclamation:
El Paso E & P Company, L.P.
Wayne Garner
PO Box 410
Altamont, Utah 84001
435-454-3394 – Office
435-823-1490 – Cell

Regarding This APD
El Paso E & P Company, L.P.
Maria Gomez
1001 Louisiana
Houston, Texas 77002
713.420.5038 – Office
832-683-0361 – Cell

Drilling

El Paso E & P Company, L.P. Joe Cawthorn – Drilling Engineer 1001 Louisiana Houston, Texas 77002 713.420.5929 – Office 832.465.2882 - Cell

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BOPE REVIEW EL PASO E&P COMPANY, LP Lake Fork Ranch 4-26B4 43013507140000

	LIASO EXI COMI		Lake Fork Ka	411CH 4-20D-	4 4501550	
Well Name		EL PASO E&F	COMPANY, LP L	ake Fork Ranch	4-26B4 43013	
String		Cond	Surf	11	L1	
Casing Size(")		13.375	9.625	7.000	4.500	
Setting Depth (TVD)		600	4500	10564	13750	
Previous Shoe Setting Dept	th (TVD)	0	600	4500	10564	
Max Mud Weight (ppg)		8.9	10.0	13.0	13.0	
BOPE Proposed (psi)		1000	1000	5000	10000	
Casing Internal Yield (psi)		2730	3950	11220	12410	
Operators Max Anticipate	d Pressure (psi)	9295			13.0	
Calculations	Cone	d String		13.375	"	
Max BHP (psi)		.052*Setti	ng Depth*MW=	278		
					BOPE Ade	equate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max	k BHP-(0.12*	Setting Depth)=	206	YES	rotating head
MASP (Gas/Mud) (psi)	Max	BHP-(0.22*	Setting Depth)=	146	YES	ОК
					*Can Full	Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(Setting D	epth - Previou	is Shoe Depth)=	146	NO	ОК
Required Casing/BOPE Te	est Pressure=			600	psi	
*Max Pressure Allowed @	Previous Casing Shoe=			0	psi *Assı	umes 1psi/ft frac gradient
Calculations	Suri	f String		9.625	"	
Max BHP (psi)		.052*Setti	ng Depth*MW=	2340		
					BOPE Ade	equate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max	k BHP-(0.12*	Setting Depth)=	1800	NO	rotating head
MASP (Gas/Mud) (psi)	Max	k BHP-(0.22*	Setting Depth)=	1350	NO	ОК
					*Can Full	Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	` '	epth - Previou	is Shoe Depth)=	1482	NO	Reasonable
Required Casing/BOPE Te	est Pressure=			2765	psi	
*Max Pressure Allowed @	Previous Casing Shoe=			600	psi *Assı	umes 1psi/ft frac gradient
Calculations	11	String		7.000	"	
Max BHP (psi)			ng Depth*MW=	7141		
				<u> </u>	BOPE Ade	quate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max	BHP-(0.12*	Setting Depth)=	5873	NO	
MASP (Gas/Mud) (psi)	Max	BHP-(0.22*	Setting Depth)=	4817	YES	ОК
					*Can Full	Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(Setting D	epth - Previou	s Shoe Depth)=	5807	NO	Reasonable
Required Casing/BOPE To	est Pressure=			7854	psi	
*Max Pressure Allowed @	Previous Casing Shoe=			3950	psi *Assı	umes 1psi/ft frac gradient
Calculations	L1	String		4.500	"	
Max BHP (psi)		.052*Setti	ng Depth*MW=	9295		
					BOPE Ade	quate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max	k BHP-(0.12*	Setting Depth)=	7645	YES	
MASP (Gas/Mud) (psi)	Max	k BHP-(0.22*	Setting Depth)=	6270	YES	ОК
					*Can Full	Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(Setting D	epth - Previou	s Shoe Depth)=	8594	YES	ОК
Required Casing/BOPE Te	est Pressure=			8687	psi	

*Max Pressure Allowed @ Previous Casing Shoe=

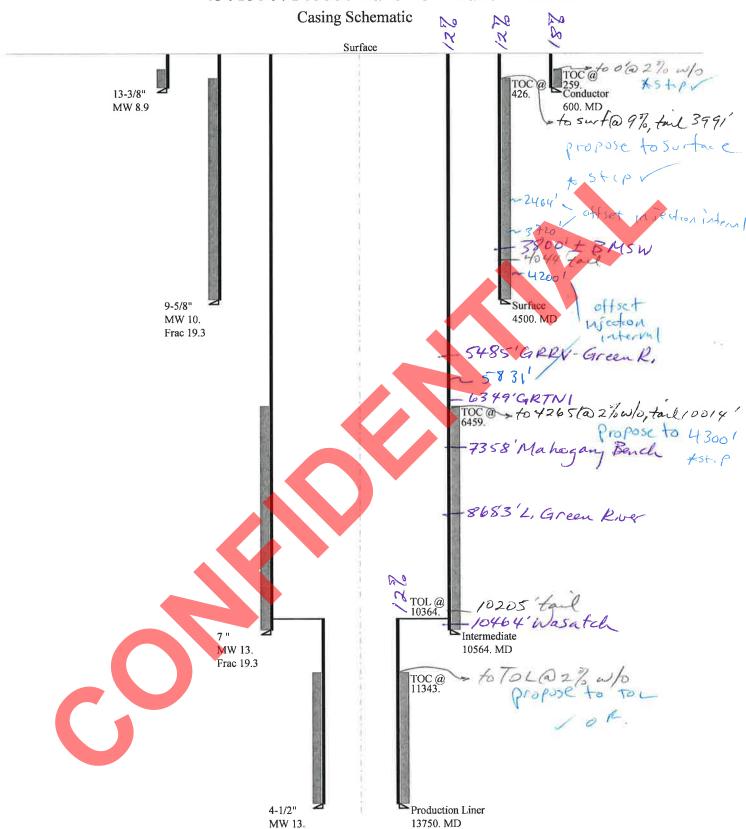
10564

psi

*Assumes 1psi/ft frac gradient



43013507140000 Lake Fork Ranch 4-26B4



Well name:

43013507140000 Lake Fork Ranch 4-26B4

Operator:

EL PASO E&P COMPANY, LP

String type:

Conductor

Project ID:

43-013-50714

Location:

DUCHESNE COUNTY

> Minimum design factors: **Environment:**

Collapse

Mud weight:

Design parameters:

Collapse: Design factor

H2S considered?

No 74 °F

8.900 ppg Design is based on evacuated pipe.

1.125

Surface temperature: Bottom hole temperature: Temperature gradient:

82 °F 1.40 °F/100ft

Minimum section length:

100 ft

Burst:

Design factor

1.00

Cement top:

259 ft

15.72 J

Burst

Max anticipated surface

No backup mud specified.

pressure: Internal gradient: Calculated BHP

205 psi 0.120 psi/ft

277 psi

Tension:

8 Round STC: 1.80 (J)

1.70 (J) 8 Round LTC: Buttress: 1.60 (J)

Premium:

277

1.50 (J) 1.50 (B) Body yield:

Tension is based on air weight. Neutral point: 521 ft Non-directional string.

Nominal True Vert Measured Drift Est. Run Segment End Depth Diameter Cost Length Size Weight Depth Seq **Grade** Finish (ft) (lbs/ft) (in) (ft) (ft) (\$) (in) 600 7445 600 13.375 54.50 J-55 ST&C 600 12.49 1 **Tension** Run Collapse Collapse Collapse Burst Burst **Burst Tension Tension** Design Design Strength Design Load Strength Seq Load Strength Load (kips) (kips) **Factor** (psi) (psi) **Factor** (psi) (psi) **Factor**

2730

9.84

32.7

Prepared

Helen Sadik-Macdonald

Div of Oil, Gas & Mining by:

1130

4.074

Phone: 801 538-5357

FAX: 801-359-3940

Date: August 24,2011 Salt Lake City, Utah

514

1

277

Collapse is based on a vertical depth of 600 ft, a mud weight of 8.9 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:

43013507140000 Lake Fork Ranch 4-26B4

Operator:

EL PASO E&P COMPANY, LP

String type:

Surface

Project ID:

43-013-50714

Location:

DUCHESNE COUNTY

> Minimum design factors: **Environment:**

Collapse

Design parameters: Mud weight:

10.000 ppg Internal fluid density: 1.000 ppg Collapse: Design factor

1.125

H2S considered?

No 74 °F Surface temperature: 137 °F Bottom hole temperature: 1.40 °F/100ft Temperature gradient:

Minimum section length:

100 ft

Burst:

Design factor

1.00

1.80 (J)

1.70 (J)

1.60 (J)

1.50 (J)

Cement top

426 ft

Burst

Max anticipated surface

pressure: Internal gradient: Calculated BHP

Annular backup:

3,510 psi 0.220 psi/ft 4,500 psi

2.33 ppg

8 Round LTC: Buttress: Premium:

8 Round STC:

Tension:

Body yield:

1.50 (B)

Tension is based on air weight. Neutral point: 3,831 ft Non-directional string.

Re subsequent strings:

Next setting depth: Next mud weight: Next setting BHP:

10,564 ft 13.000 ppg 7,134 psi

Fracture mud wt: 19.250 ppg Fracture depth: 4,500 ft Injection pressure: 4,500 psi

Run Seq	Segment Length	Size	Nominal Weight	Grade	End Finish	True Vert Depth	Measured Depth	Drift Diameter	Est. Cost
1	(ft) 4500	(in) 9.625	(Ibs/ft) 40.00	K-55	LT&C	(ft) 4500	(ft) 4500	(in) 8.75	(\$) 47639
Run	Collapse	Collapse	Collapse	Burst	Burst	Burst	Tension	Tension	Tension
Seq	Load (psi)	Strength (psi)	Design Factor	Load (psi)	Strength (psi)	Design Factor	Load (kips)	Strength (kips)	Design Factor
1	2104	2570	1.222	3955	3950	1.00	180	561	3.12 J

Prepared

by:

Helen Sadik-Macdonald Div of Oil, Gas & Mining

Phone: 801 538-5357 FAX: 801-359-3940

Date: August 24,2011 Salt Lake City, Utah

Collapse is based on a vertical depth of 4500 ft, a mud weight of 10 ppg. An internal gradient of .052 psi/ft was used for collapse from TD to Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension:

Well name:

43013507140000 Lake Fork Ranch 4-26B4

Operator:

EL PASO E&P COMPANY, LP

String type:

Intermediate

Project ID:

43-013-50714

Location:

DUCHESNE

COUNTY

Environment:

Design parameters:

Collapse

Mud weight:

13.000 ppg

Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

H2S considered?

Surface temperature: Bottom hole temperature: Temperature gradient:

74 °F 222 °F 1.40 °F/100ft

No

Minimum section length: 100 ft

Burst:

Design factor

8 Round STC:

8 Round LTC:

1.00

1.80 (J)

1.70 (J)

1.60 (J)

1.50 (J)

1.50 (B)

Cement top:

6,459 ft

Burst

Max anticipated surface

No backup mud specified.

pressure:

6,261 psi 0.220 psi/ft

Internal gradient: Calculated BHP

8,585 psi

Buttress: Premium:

Tension:

Body yield:

Tension is based on air weight. Neutral point: 8,485 ft Non-directional string.

Re subsequent strings:

Next setting depth: Next mud weight:

13,750 ft 13.000 ppg 9,286 psi

Next setting BHP: Fracture mud wt: Fracture depth: Injection pressure:

19.250 ppg 10,564 ft 10,564 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1 Run	10564 Collapse	7 Collapse	29.00 Collapse	P-110 Burst	LT&C Burst	10564 Burst	10564 Tension	6.059 Tension	119295 Tension
Seq 1	Load (psi) 7134	Strength (psi) 8530	Design Factor 1.196	Load (psi) 8585	Strength (psi) 11220	Design Factor 1.31	Load (kips) 306.4	Strength (kips) 797	Design Factor 2.60 J

Prepared

by:

Helen Sadik-Macdonald Div of Oil, Gas & Mining

Phone: 801 538-5357 FAX: 801-359-3940

Date: August 24,2011 Salt Lake City, Utah

Collapse is based on a vertical depth of 10564 ft, a mud weight of 13 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:

43013507140000 Lake Fork Ranch 4-26B4

Operator:

EL PASO E&P COMPANY, LP

String type:

Production Liner

Project ID:

43-013-50714

Location:

DUCHESNE COUNTY

> **Environment:** Minimum design factors:

Collapse

13.000 ppg Mud weight: Design is based on evacuated pipe.

Collapse: Design factor

1.125

H2S considered?

No 74 °F Surface temperature: Bottom hole temperature: 266 °F 1.40 °F/100ft Temperature gradient:

Minimum section length: 1,000 ft

Non-directional string.

Burst:

Design factor

1.00

Cement top

Liner top:

1,343 ft

10,364 ft

Burst

Max anticipated surface

No backup mud specified.

pressure: Internal gradient:

Design parameters:

6,261 psi 0.220 psi/ft

Calculated BHP

9,286 psi

Buttress:

Tension:

Premium:

Body yield:

8 Round STC: 8 Round LTC:

1.80 (J) 1.80 (J) 1.60 (J)

1.50 (J) 1.60 (B)

Tension is based on air weight.

Neutral point:

13,107 ft

Run	Segment		Nominal		End	True Vert	Measured	Drift	Est.	
Seq	Length	Size	Weight	Grade	Finish	Depth	Depth	Diameter	Cost	
	(ft)	(in)	(lbs/ft)			(ft)	(ft)	(in)	(\$)	
1	3350	4.5	13.50	P-110	LT&C	13750	13750	3.795	18771	
Run	Collapse	Collapse	Collapse	Burst	Burst	Burst	Tension	Tension	Tension	
				A . W						
Seq	Load	Strength	Design	Load	Strength	Design	Load	Strength	Design	
	(psi)	(psi)	Factor	(psi)	(psi)	Factor	(kips)	(kips)	Factor	
1	9286	10680	1.150	9286	12410	1.34	45.2	338	7.47 J	

Prepared

by:

Helen Sadik-Macdonald Div of Oil, Gas & Mining

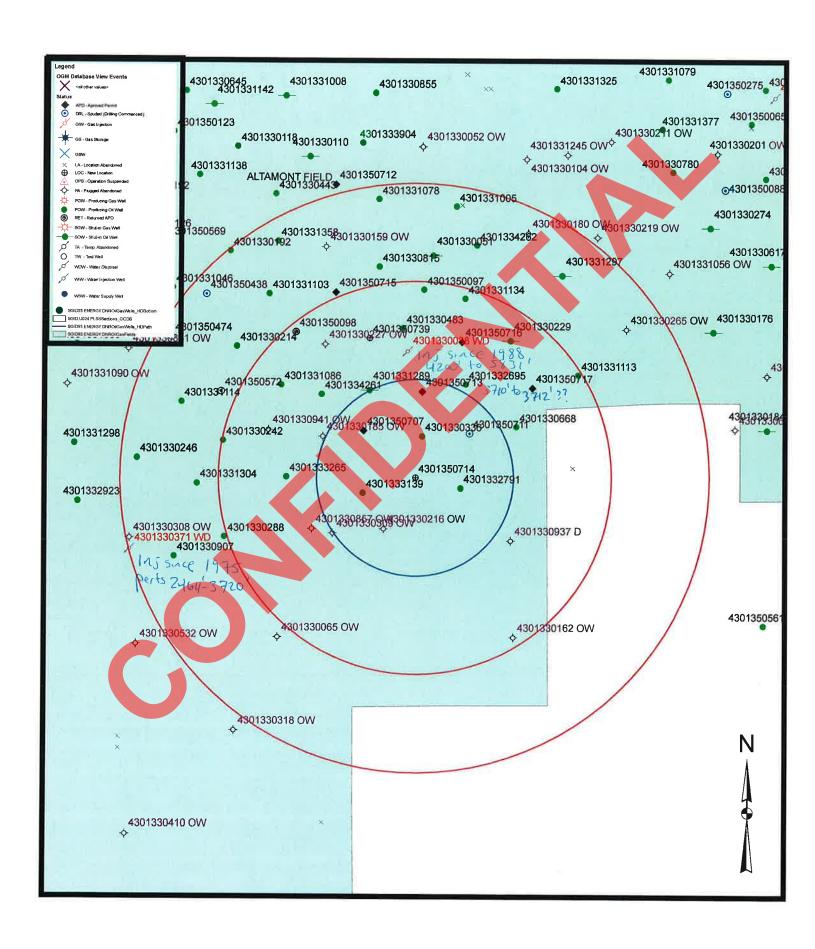
Phone: 801 538-5357 FAX: 801-359-3940

Date: August 24,2011 Salt Lake City, Utah

For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 13750 ft, a mud weight of 13 ppg. The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Injection Well Area of Review



ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator EL PASO E&P COMPANY, LP

Well Name Lake Fork Ranch 4-26B4

API Number 43013507140000 APD No 3687 Field/Unit ALTAMONT

Location: 1/4,1/4 NWSE Sec 26 Tw 2.0S Rng 4.0W 1779 FSL 1775 FEL

GPS Coord (UTM) Surface Owner Lake Fork Ranch, Inc.

Participants

Dave Allred (El Paso); Ryan Allred (Allred & Associates); Dennis Ingram (DOGM)

Regional/Local Setting & Topography

Wellsite is located northeast of Duchesne Utah along the northern portion of Blue Bench in relatively flat pinion/juniper habitat, and accessed by driving north out of Duchesne along Highway 87 for 8.62 miles, then east along Caravan Lane for another 4.81 miles, then south along existing gravel road for 1.00 miles then another 0.50 miles of new access road into wellsite. The immediate area around the proposed location has either been burned or chained to promote open grassland for cattle grazing. North of this site a series of shallow washes drain this area to the northeast into Pigeon Water Creek and the Lake Fork River Drainage, which both flow in a southeasterly direction. Much of the surface east of the location is bench lands that also break off gently into the Lake Fork River drainage over three miles to the east; however a long easterly drainage does begin approximately 1.0 miles east of wellsite. A deep, rocky canyon heads up just west of this site a few hundred feet and it's eastern canyon walls run just south of this pad in a s southeasterly direction. From the location site the elevation drops over a thousand feet into the canyon floor.

Surface Use Plan

Current Surface Use

Grazing

New Road Miles Well Pad Src Const Material Surface Formation

0.5 Width 282 Length 425 Onsite UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Pinion/Juniper habitat, cedar trees present, sagebrush, grass and Prickly Pear cactus, area has been railed in places and burned to promote rangeland for cattle grazing; elk and mule deer winter range, potential mountain lion, coyote, bobcat, rabbit and other smaller mammals and bird life native to region.

Soil Type and Characteristics

Reddish tan sandy loam with clays present and underlying cobbles with an adjacent canyon

Erosion Issues N

Sedimentation Issues Y

berming to prevent sediment from leaving location to the southwest

9/19/2011 Page 1

Site Stability Issues N

Could have issues with canyon wall during drilling program

Drainage Diverson Required? N

Berm Required? Y

Erosion Sedimentation Control Required? Y

berming

Paleo Survey Run? N Paleo Potental Observed? N Cultural Survey Run? N Cultural Resources? N

Reserve Pit

Site-Specific Factors	Site Ra	nking	
Distance to Groundwater (feet)	>200	0	
Distance to Surface Water (feet)	>1000	0	
Dist. Nearest Municipal Well (ft)	>5280	0	
Distance to Other Wells (feet)	>1320	0	
Native Soil Type	Mod permeability	10	
Fluid Type	TDS>5000 and	10	
Drill Cuttings	Normal Rock	0	
Annual Precipitation (inches)		0	
Affected Populations			
Presence Nearby Utility Conduits	Present	15	
	Final Score	35	1 Sensitivity Level

Characteristics / Requirements

Reserve pit planned for northeastern side of location in cut and away from canyon wall, measuring 110' wide by 150' long by 12' deep with the prevailing winds from west.

Closed Loop Mud Required? Liner Required? Y Liner Thickness 20 Pit Underlayment Required? Y

Other Observations / Comments

Landowner not present, agreement in place with El Paso, landowner/operator made prior visit to location, location surface slopes to the south, no known surface water in immediate area, surface has been burned and/or chained to promote grazing for cattle, large, deep, rocky canyon adjacent to and off the south side of location, location has 8.3 feet of fill on the canyon side.

Dennis Ingram 5/19/2011 **Evaluator Date / Time**

9/19/2011 Page 2

Application for Permit to Drill Statement of Basis

Utah Division of Oil, Gas and Mining

Page 1

APD NoAPI WellNoStatusWell TypeSurf OwnerCBM368743013507140000LOCKEDOWPNoOperatorEL PASO E&P COMPANY, LPSurface Owner-APDLake Fork Ranch, Inc.

Well Name Lake Fork Ranch 4-26B4 Unit

Field ALTAMONT Type of Work DRILL

Location NWSE 26 2S 4W U 1779 FSL 1775 FEL GPS Coord (UTM) 559538E 4458451N

Geologic Statement of Basis

9/19/2011

El Paso proposes to set 1,000 feet of conductor and 4,500 feet of surface casing both of which will be cemented to surface. The surface and intermediate holes will be drilled utilizing fresh water mud. The estimated depth to the base of moderately saline ground water is 3,800 feet. A search of Division of Water Rights records indicates that there are 8 water wells within a 10,000 foot radius of the center of Section 26. All wells are located over 1 mile from the proposed location. The wells range between 330 and 1,000 feet in depth and are used for irrigation, stock watering, domestic and oilfield purposes. The proposed casing and cement program should adequately protect ground water in this area.

Brad Hill **APD Evaluator**

6/7/2011 **Date / Time**

Surface Statement of Basis

Brent Brotherson, who owns the Lake Fork Ranch, has been given as the landowner of record on this property. Mr. Brotherson was therefore spoken to on the telephone twice regarding the scheduling on these presites, and explained that he had visited each of the these sites and given input regarding their surface use to El Paso and has entered into a landowner agreement with said operator. El Paso shall therefore comply with that landowner agreement along with the construction cut and fill sheets provided to the Division with the Application to Drill unless given a variance by authorized personnel.

The surface was moved north because of a large, deep rocky canyon that falls over seven-hundred feet in elevation into the lower Blue Bench country. The drop of the canyon wall begins just over a hundred feet from the location edge, the slope is bench or shelf like sandstone layers much like is found along the south side of the Book Cliffs. Corner number eight shows approximately 8.3 feet of fill. The location shall be bermed as needed to prevent any events of drilling or production fluid from leaving the location and entering the canyon. It appears a staking farther east of this site would have been a better site with less risks to the adjacent canyon. However, the surface casing plan submitted in El Paso's Application to drill show a 1000 feet of 13 3/8" casing which should prevent any seepage after the casing is cemented to surface. Blasting will most likely need done on the reserve pit and the operator needs to construct a smooth bottom and utilize a felt pad with 20 mil synthetic liner to prevent fluids from being lost into ledge rock or out the canyon wall.

Dennis Ingram 5/19/2011
Onsite Evaluator Date / Time

Conditions of Approval / Application for Permit to Drill

Category Condition

Pits A synthetic liner with a minimum thickness of 20 mils with a felt subliner shall be properly installed and maintained in the

reserve pit.

Surface The well site shall be bermed to prevent fluids from leaving the pad.

RECEIVED: September 19, 2011

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 4/29/2011 **API NO. ASSIGNED:** 43013507140000

WELL NAME: Lake Fork Ranch 4-26B4

OPERATOR: EL PASO E&P COMPANY, LP (N3065) **PHONE NUMBER:** 713 420-5038

Engineering Review:

CONTACT: Maria S. Gomez

SURFACE: 1779 FSL 1775 FEL

PROPOSED LOCATION: NWSE 26 020S 040W **Permit Tech Review:**

BOTTOM: 1779 FSL 1775 FEL **Geology Review:**

COUNTY: DUCHESNE

LATITUDE: 40.27632 LONGITUDE: -110.29970 NORTHINGS: 4458451.00 UTM SURF EASTINGS: 559538.00

FIELD NAME: ALTAMONT LEASE TYPE: 4 - Fee

> **LEASE NUMBER:** Fee PROPOSED PRODUCING FORMATION(S): GREEN RIVER-WASATCH

SURFACE OWNER: 4 - Fee COALBED METHANE: NO

RECEIVED AND/OR REVIEWED: LOCATION AND SITING:

R649-2-3. ✓ PLAT

Bond: STATE - 400JU0708 Unit:

R649-3-2. General **Potash**

Oil Shale 190-3 R649-3-3. Exception

Oil Shale 190-13 **Drilling Unit**

Board Cause No: Cause 139-84 Water Permit: 43-8362

Siting: 660' Fr Drl U Bdry & 1320' Fr Other Wells ✓ Fee Surface Agreement

Effective Date: 12/31/2008

Intent to Commingle R649-3-11. Directional Drill

Comments: Presite Completed

Commingling Approved

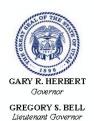
Oil Shale 190-5

RDCC Review:

Stipulations:

5 - Statement of Basis - bhill 8 - Cement to Surface -- 2 strings - hmacdonald 12 - Cement Volume (3) - ddoucet

API Well No: 43013507140000



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Lake Fork Ranch 4-26B4

API Well Number: 43013507140000

Lease Number: Fee

Surface Owner: FEE (PRIVATE)

Approval Date: 9/19/2011

Issued to:

EL PASO E&P COMPANY, LP, 1001 Louisiana St., Houston, TX 77002

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-84. The expected producing formation or pool is the GREEN RIVER-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Cement volumes for the 13 3/8" and 9 5/8" casing strings shall be determined from actual hole diameters in order to place cement from the pipe setting depths back to the surface.

Cement volume for the 7" Intermediate string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 4300' MD as indicated in the submitted drilling plan.

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan contact Dustin Doucet
- Significant plug back of the well contact Dustin Doucet
- Plug and abandonment of the well contact Dustin Doucet

API Well No: 43013507140000

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

• Within 24 hours following the spudding of the well – contact Carol Daniels OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at http://oilgas.ogm.utah.gov

- 24 hours prior to testing blowout prevention equipment contact Dan Jarvis
- 24 hours prior to cementing or testing casing contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 office
- Dustin Doucet 801-538-5281 office

801-733-0983 - after office hours

• Dan Jarvis 801-538-5338 - office

801-231-8956 - after office hours

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) due prior to implementation
- Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
- Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging

Approved By:

For John Rogers Associate Director, Oil & Gas

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company	y;	EL PASC) E&P CON	<u>IPANY, LP</u>		
Well Name:		LAKE F	ORK RANG	CH 4-26B4		<u>.</u>
Api No: 43	-013-50714	L	ease Type	FEE	1	
Section 26 To	ownship_02	<u>S</u>	ge 04W	County	DUCH	ESNE
Drilling Contract	or P	ETE MAR	TIN DRILL	<u>ING</u> R	IG#_ BU	CKET
SPUDDED:						
Date	e02	2/13/2012				
Tim	e <u> </u>	8:00 AM				
Но	wI	DRY				
Drilling will Commence:	<u> </u>					
Reported by		WAYN	E GARNER	2		·
Telephone #		(435) 8	23-1490	<u> </u>		
Date02/1	4 /2012	Signed	CHD			

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

			ENTITY ACTIO	N FORM				
Operator:	El Pas	o E&P Company, L.P.		Ope	erator Ac	count N	ımber:	N 3065
Address:	1001 L	ouisiana, Room 2730E)					
	city Ho	ouston						
	state 7	×	_{zip} 77002		F	hone Nu	ımber: _	(713) 420-5038
Well 1								
API Nu	umber	Well	Name	QQ	Sec	Twp	Rng	County
43013	50714	Lake Fork Ranch 4-2	26B4	NWSE	26	28	4W	Duchesne
Action	Code	Current Entity Number	New Entity Number	.	pud Da	te		tity Assignment Effective Date
A	4	99999	18432		2/13/201	2	21	29/2012
Commen	its: WS					CON		VTIAL
Well 2				·····				
API Nu	umber	Well	Name	QQ	Sec	Twp	Rng	County
Action	Code	Current Entity Number	New Entity Number	s	pud Da	te		l tity Assignment Effective Date
Commen	its:		1					
Well 3								
API Nu	umber	Well	Name	QQ	Sec	Twp	Rng	County
Action	Code	Current Entity Number	New Entity Number		pud Da	te		tity Assignment Effective Date
Commen	ıts:						<u></u>	
B - Add C - Re-a D - Re-a	ablish new new well t assign well assign well	entity for new well (single o existing entity (group or from one existing entity the from one existing entity in 'comments' section)	unit well) o another existing entity	Nag Sigr	aria S. Go	Print) A	- / - /	2/24/2012

(5/2000)

FEB 2 7 2012

Div. of Cil, Gas & Mining

Title

Date

Division of Oil, Gas and Mining OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING	
CDW	

X - Change of Operator (Well Sold)		Operator Name Change/Merger										
The operator of the well(s) listed below has changed, effective:				6/1/2012								
FROM: (Old Operator):				TO: (New Operator):								
N3065- El Paso E&P Company, L.P.				N3850- EP Energy E&P Company, L.P.								
1001 Louisiana Street				1001 Louisiana		, , , , , ,						
Houston, TX. 77002				Houston, TX. 7								
]				,								
Phone: 1 (713) 997-5038				Phone: 1 (713)	997-5038							
CA No.				Unit:	T	N/A		<u>-</u>				
WELL NAME	SEC	TWN R	NG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS				
See Attached List					<u> </u>	<u> </u>						
OPERATOR CHANGES DOCUMENT Enter date after each listed item is completed 1. (R649-8-10) Sundry or legal documentation wa 2. (R649-8-10) Sundry or legal documentation wa 3. The new company was checked on the Depart 4a. Is the new operator registered in the State of U 5a. (R649-9-2) Waste Management Plan has been re 5b. Inspections of LA PA state/fee well sites comp 5c. Reports current for Production/Disposition & S	as recoment Jtah: eccive	eived from eived from of Comme ed on:	the	NEW operator	on: orporations	6/25/2012 6/25/2012 Database on: 2114377-0181		6/27/2012				
6. Federal and Indian Lease Wells: The BL			IA h		- e merger, na	me change.						
or operator change for all wells listed on Feder					BLM	N/A	BIA	Not Received				
7. Federal and Indian Units:						-						
The BLM or BIA has approved the successor	r of m	nit operato	r for	wells listed on		N/A						
					•	1///	•					
_		-				N/A						
The BLM or BIA has approved the operator					Comm 5 Tron							
9. Underground Injection Control ("UIC"			_	_				C1				
Inject, for the enhanced/secondary recovery ur	nit/pro	oject for th	ie wa	iter disposal we	il(s) listed o	n: Sec	cond Oper	Cng				
DATA ENTRY:												
1. Changes entered in the Oil and Gas Database			_	6/29/2012	_							
2. Changes have been entered on the Monthly O	perat	or Chang	e Sp			6/29/2012	•					
3. Bond information entered in RBDMS on:				6/29/2012	_							
4. Fee/State wells attached to bond in RBDMS or				6/29/2012	_							
5. Injection Projects to new operator in RBDMS		DD 0.1		6/29/2012	-							
6. Receipt of Acceptance of Drilling Procedures i	or Al	PD/New of	n:		N/A	_						
BOND VERIFICATION:												
1. Federal well(s) covered by Bond Number:				103601420								
2. Indian well(s) covered by Bond Number:	_			103601473		4007770707						
3a. (R649-3-1) The NEW operator of any state/fe	e wel	ll(s) listed	cov	ered by Bond N	umber	400JU0705	-					
3b. The FORMER operator has requested a releas	se of l	iability fro	om tl	neir bond on:	N/A							
LEASE INTEREST OWNER NOTIFIC 4. (R649-2-10) The NEW operator of the fee wells	s has l	been conta										
of their responsibility to notify all interest owne	rs of	this chang	e on	•	6/29/2012							
COMMENTS:												
Disposal and Injections wells will be moved wh	ien U	IC 5 is re	ceiv	ed.								

STATE OF UTAH PARTMENT OF NATURAL RESOURCES

	DIVISION OF OIL				5. LEASE DESIGNATION AND SERIAL	NUMBER:
CUNDDY	/ NOTICES AN	ID BEDODI	TO ON WEL	1.6	Multiple Leases 6. IF INDIAN, ALLOTTEE OR TRIBE NA	ME:
SUNDKI	Y NOTICES AN	ND REPUR	12 ON WEL	LS	7 LINUT CA ACREEMENT NAME.	
Do not use this form for proposals to drill r drill horizontal k	new wells, significantly deepe aterals. Use APPLICATION	en existing wells below of FOR PERMIT TO DRILL	current bottom-hole dept L form for such proposa	th, reenter plugged wells, or to is.	7. UNIT or CA AGREEMENT NAME:	
1. TYPE OF WELL OIL WELL	☑ GAS WELI	OTHER			WELL NAME and NUMBER: See Attached	
2. NAME OF OPERATOR:			· · · ·		9. API NUMBER:	<u> </u>
El Paso E&P Company, L	P.	A	Attn: Maria Go	···-		
3. ADDRESS OF OPERATOR: 1001 Louisiana	y Houston	STATE TX Z	_{1P} 77002	PHONE NUMBER: (713) 997-5038	10. FIELD AND POOL, OR WILDCAT: See Attached	
4. LOCATION OF WELL		0.771 <u>g</u>				
FOOTAGES AT SURFACE: See A	Attached				COUNTY:	
QTR/QTR, SECTION, TOWNSHIP, RAN	NGE, MERIDIAN:				STATE: UTAH	
11. CHECK APP	ROPRIATE BOXI	ES TO INDICA	TE NATURE	OF NOTICE, REPO	ORT, OR OTHER DATA	
TYPE OF SUBMISSION			T	YPE OF ACTION		
NOTICE OF INTENT	ACIDIZE		DEEPEN		REPERFORATE CURRENT FO	PRMATION
(Submit in Duplicate)	ALTER CASING		FRACTURE	TREAT	SIDETRACK TO REPAIR WEL	L
Approximate date work will start:	CASING REPAIR		MEW CONS		TEMPORARILY ABANDON	
	CHANGE TO PRE	VIOUS PLANS	☐ OPERATOR		TUBING REPAIR	
SUBSEQUENT REPORT	CHANGE TUBING CHANGE WELL N	A B4E	PLUG AND			
(Submit Original Form Only)	CHANGE WELL ST		_	ON (START/RESUME)	WATER SHUT-OFF	
Date of work completion:		DUCING FORMATIONS	=	ION OF WELL SITE	OTHER: Change of	
	CONVERT WELL		=	TE - DIFFERENT FORMATION	Nomo/Onoro	tor
12. DESCRIBE PROPOSED OR CO	OMPLETED OPERATIO	NS. Clearly show al	l pertinent details inc	cluding dates, depths, volum	mes, etc.	
					es to EP Energy E&P Comp	anv. L.P.
					ed the new operator of the	
ED E	D :	المطافعة المسامعة		ditions of the lease	(a) fan tha an antiona aond.	ام مغم
					(s) for the operations condund No. 400JU0705, Bureau	
Management Nationwide						
4 .	_			1		
March 10	2			Luci	2/10	
Frank W. Faller				Frank W. Falleri		
Vice President				Sr. Vice President		
El Paso E&P Company, L	P.			EP Energy E&P C	company, L.P.	
						
NAME (PLEASE PRINT) Maria S. (Gomez		TITU	Frincipal Regula	atory Analyst	
SIGNATURE MAYOR	H. Borrer	S	DAYI	6/22/2012		
This space for State use only)				RE	CEIVED	
APPROVED _	, /29/201	2			. 2 5 2012	
7	حر غنب عدلا			JUN	2 5 2012	

Division of Oil, Gas and Mining

Earlene Russell, Engineering Technician

Rachel Medim

(See Instructions on Reverse Side)

DIV. OF OIL, GAS & MINING

							Well	Well	
Well Name	Sec	TWP	RNG	API Number	Entity	Lease Type	Type	Status	Conf
DWR 3-17C6	17	0308	060W	4301350070		14204621118	OW	APD	С
LAKEWOOD ESTATES 3-33C6	33	0308	060W	4301350127		1420H621328	OW	APD	С
YOUNG 3-15A3	15	I		4301350122		FEE	OW	APD	С
WHITING 4-1A2	01			4301350424		Fee	OW	APD	С
EL PASO 4-34A4	34			4301350720		Fee	ow	APD	C
YOUNG 2-2B1	02			4304751180		FEE	ow	APD	C
LAKE FORK RANCH 3-10B4	10			4301350712	19221		OW	DRL	C
LAKE FORK RANCH 4-26B4	26			4301350712			OW	DRL	C
							OW	DRL	C
LAKE FORK RANCH 4-24B4	24	1		4301350717					
Cook 4-14B3	14			4301351162			OW	DRL	C
Peterson 4-22C6	22			4301351163			OW	DRL	С
Lake Fork Ranch 4-14B4	14			4301351240			OW	DRL	С
Melesco 4-20C6	20			4301351241			OW	DRL	С
Peck 3-13B5	13			4301351364			OW	DRL	С
Jensen 2-9C4	09			4301351375			OW	DRL	С
El Paso 3-5C4	05	030S	040W	4301351376	18563	Fee	OW	DRL	С
ULT 6-31	31	030S	020E	4304740033		FEE	OW	LA	
OBERHANSLY 2-2A1	02	0108	010W	4304740164		FEE	OW	LA	
DWR 3-15C6	15			4301351433		14-20-H62-4724		NEW	С
Lake Fork Ranch 5-23B4	23			4301350739		Fee	ow	NEW	
Duchesne Land 4-10C5	10			4301351262		Fee	OW	NEW	С
Cabinland 4-9B3	09			4301351374		Fee	OW	NEW	C
			<u> </u>	4301351374		Fee	OW	NEW	C
Layton 4-2B3	02								C
Golinski 4-24B5	24			4301351404		Fee	OW	NEW	
Alba 1-21C4	21			4301351460		Fee	OW	NEW	С
Allison 4-19C5	19			4301351466		Fee	OW	NEW	С
Seeley 4-3B3	03			4301351486		Fee	OW	NEW	С
Allen 4-25B5	25			4301351487		Fee	OW	NEW	С
Hewett 2-6C4	06	030S	040W	4301351489		Fee	OW	NEW	С
Young 2-7C4	07	0308	040W	4301351500		Fee	OW	NEW	С
Brighton 3-31A1E	31	0108	010E	4304752471		Fee	OW	NEW	С
Hamaker 3-25A1	25			4304752491		Fee	OW	NEW	С
Bolton 3-29A1E	29			4304752871		Fee	OW	NEW	С
HORROCKS 5-20A1	20			4301334280	17378		OW	OPS	C
DWR 3-19C6	19					14-20-462-1120		P	
						14-20-462-1131		P	
DWR 3-22C6						14-20-462-1323		P	
DWR 3-28C6								P	+
UTE 1-7A2						14-20-462-811	OW		
UTE 2-17C6	17	I				14-20-H62-1118		P	
WLR TRIBAL 2-19C6	19	L		1		14-20-H62-1120		Р	
CEDAR RIM 10-A-15C6	15					14-20-H62-1128		Р	
CEDAR RIM 12A	28	0308	060W	4301331173	10672	14-20-H62-1323	OW	Р	
UTE-FEE 2-33C6	33	030S	060W	4301331123	10365	14-20-H62-1328	OW	Р	
TAYLOR 3-34C6	34	0308	060W	4301350200	17572	1420H621329	OW	P	
BAKER UTE 2-34C6	34					14-20-H62-1329	OW	Р	
UTE 3-35Z2 K						14-20-H62-1614		Р	1
UTE 1-32Z2	32					14-20-H62-1702		Р	
UTE TRIBAL 1-33Z2	33			4301330334		14-20-H62-1703		P	+
						14-20-H62-1703		P	
UTE 2-33Z2								P	
UTE TRIBAL 2-34Z2	34	4		<u> </u>		14-20-H62-1704			+
LAKE FORK RANCH 3-13B4	13					14-20-H62-1743		P	
UTE 1-28B4	28			4301330242		14-20-H62-1745		P	<u> </u>
UTE 1-34A4	34	·		4301330076		14-20-H62-1774		Р	
	26	0108	04010	4301330069	1580	14-20-H62-1793	OW	Р	
UTE 1-36A4	36	0103	OTOVV	730 1330003	1000	11 LO 1102 1700	<u> </u>		
UTE 1-36A4 UTE 1-1B4	01			4301330129		14-20-H62-1798		P	

LITE 4 OFAO	25	0400	02014	4204220270	1000	44 00 HG2 4902	OVA	Р	
UTE 1-25A3 UTE 2-25A3	25 25			4301330370		14-20-H62-1802 14-20-H62-1802	<u> </u>	P	
UTE 1-26A3	26	 		4301331343		14-20-H62-1803	}	P	
UTE 2-26A3	26					14-20-H62-1803		P	
UTE TRIBAL 4-35A3		1	1			1420H621804	OW	P	С
	35			L	i	14-20-H62-1804		P	<u></u>
UTE 2-35A3	35								
UTE 3-35A3	35					14-20-H62-1804		Р	ļ
UTE 1-6B2	06			4301330349		14-20-H62-1807		P	
UTE 2-6B2	06					14-20-H62-1807		P	
UTE TRIBAL 3-6B2	06					14-20-H62-1807		P	С
POWELL 4-19A1	19			4301330071		14-20-H62-1847		Р	ļ
COLTHARP 1-27Z1	27			4301330151		14-20-H62-1933		P	ļ
UTE 1-8A1E	08		L	4304730173		14-20-H62-2147		Р	
UTE TRIBE 1-31	31			4301330278		14-20-H62-2421		Ρ	ļ
UTE 1-28B6X	28					14-20-H62-2492		Р	
RINKER 2-21B5	21					14-20-H62-2508		Р	
MURDOCK 2-34B5	34					14-20-H62-2511		Р	
UTE 1-35B6	35			4301330507		14-20-H62-2531		Р	
UTE TRIBAL 1-17A1E	17	1 -		4304730829	1	14-20-H62-2658		Р	
UTE 2-17A1E	17	0108	010E	4304737831	16709	14-20-H62-2658	OW	Р	
UTE TRIBAL 1-27A1E	27	0108	010E	4304730421	800	14-20-H62-2662	OW	Р	
UTE TRIBAL 1-35A1E	35	0108	010E	4304730286	795	14-20-H62-2665	OW	P	
UTE TRIBAL 1-15A1E	15	0108	010E	4304730820	850	14-20-H62-2717	OW	Р	ļ ·
UTE TRIBAL P-3B1E	03			4304730190		14-20-H62-2873		Р	
UTE TRIBAL 1-22A1E	22			4304730429		14-20-H62-3103		Р	ļ
B H UTE 1-35C6	35					14-20-H62-3436		Р	<u> </u>
BH UTE 2-35C6	35					14-20-H62-3436		Р	<u></u>
MCFARLANE 1-4D6	04					14-20-H62-3452		Р	†
UTE TRIBAL 1-11D6	11			4301330482		14-20-H62-3454		P	
CARSON 2-36A1	36			4304731407	4	14-20-H62-3806		P	
UTE 2-14C6	14			4301330775		14-20-H62-3809	+	P	
DWR 3-14C6	14				1	14-20-H62-3809		P	
THE PERFECT "10" 1-10A1	10		L	4301330935		14-20-H62-3855		P	
BADGER-SAM H U MONGUS 1-15A1	15			4301330949		14-20-H62-3860		P	
MAXIMILLIAN-UTE 14-1	14			4301330726		14-20-H62-3868		<u>.</u> Р	-
FRED BASSETT 1-22A1	22			4301330781		14-20-H62-3880	1	P	t
UTE TRIBAL 1-30Z1	30					14-20-H62-3910		P	
UTE LB 1-13A3	13			4301330894		14-20-H62-3980		P	
	22					14-20-H62-4614		P	ļ
UTE 2-22B6 UINTA OURAY 1-1A3						14-20-H62-4664		P	
	01					14-20-H62-4752		P	<u> </u>
UTE 1-6D6	06					1420H624801		P	
UTE 2-11D6	11			ļ			OW		
UTE 1-15D6	15					14-20-H62-4824		P	<u> </u>
UTE 2-15D6	15					14-20-H62-4824		P	
HILL 3-24C6	24					1420H624866	OW	P	С
BARCLAY UTE 2-24C6R	24			L		14-20-H62-4866		P	
BROTHERSON 1-2B4	02			4301330062		FEE	OW	P	ļ
BOREN 1-24A2	24			4301330084		FEE	OW	Р	
FARNSWORTH 1-13B5	13			4301330092		FEE	OW	Р	
BROADHEAD 1-21B6	21			4301330100		FEE	OW	P	
ASAY E J 1-20A1	20	- 		4301330102		FEE	OW	Р	ļ
HANSON TRUST 1-5B3	05			4301330109		FEE	OW	Р	
ELLSWORTH 1-8B4	08			4301330112		FEE	OW	Р	L
ELLSWORTH 1-9B4	09			4301330118		FEE	OW	Р	
ELLSWORTH 1-17B4	17			4301330126		FEE	OW	Р	
CHANDLER 1-5B4	05	0208	040W	4301330140	1685	FEE	OW	Р	
HANSON 1-32A3	32	0108	030W	4301330141	1640	FEE	OW	Р	
JESSEN 1-17A4	17			4301330173		FEE	OW	P	T

LIENIKINO 4 4DO	04	0200	020\4/	4204220475	4700	ree	OW	Р
JENKINS 1-1B3	01	<u> </u>		4301330175	I	FEE FEE	OW	P
GOODRICH 1-2B3	02			4301330182	<u> </u>	FEE	OW	P
ELLSWORTH 1-19B4	19			4301330183			OW	P
DOYLE 1-10B3	10			4301330187		FEE		P
JOS. SMITH 1-17C5	17			4301330188		FEE	OW	
RUDY 1-11B3	11			4301330204		FEE	OW	P
CROOK 1-6B4	06			4301330213		FEE	OW	P
HUNT 1-21B4	21			4301330214		FEE	OW	P
LAWRENCE 1-30B4	30			4301330220	1	FEE	OW	P
YOUNG 1-29B4	29			4301330246		FEE	OW	P
GRIFFITHS 1-33B4	33	1		4301330288		FEE	OW	P
POTTER 1-2B5	02	h		4301330293		FEE	OW	P
BROTHERSON 1-26B4	26			4301330336		FEE	OW	P
SADIE BLANK 1-33Z1	33			4301330355		FEE	OW	Р
POTTER 1-24B5	24	I		4301330356		FEE	OW	P
WHITEHEAD 1-22A3	22			4301330357		FEE	OW	Р
CHASEL MILLER 2-1A2	01	1	L	4301330360		FEE	OW	Р
ELDER 1-13B2	13			4301330366	<u> </u>	FEE	OW	P
BROTHERSON 2-10B4	10			4301330443		FEE	OW	Р
FARNSWORTH 2-7B4	07	t		4301330470		FEE	OW	Р
TEW 1-15A3	15			4301330529		FEE	OW	Р
UTE FEE 2-20C5	20			4301330550	L	FEE	OW	P
HOUSTON 1-34Z1	34			4301330566		FEE	OW	Р
GALLOWAY 1-18B1	18			4301330575		FEE	OW	Р
SMITH 1-31B5	31	1		4301330577		FEE	OW	P
LEBEAU 1-34A1	34			4301330590		FEE	OW	Р
LINMAR 1-19B2	19	020S	020W	4301330600	9350	FEE	OW	Р
WISSE 1-28Z1	28	010N	010W	4301330609	905	FEE	OW	Р
POWELL 1-21B1	21	0208	010W	4301330621	910	FEE	OW	Р
HANSEN 1-24B3	24	0208	030W	4301330629	2390	FEE	OW	P
OMAN 2-4B4	04	0208	040W	4301330645	9125	FEE	OW	P
DYE 1-25Z2	25			4301330659		FEE	OW	Р
H MARTIN 1-21Z1	21	010N	010W	4301330707	925	FEE	OW	Р
JENSEN 1-29Z1	29	010N	010W	4301330725	9110	FEE	OW	Р
CHASEL 2-17A1 V	17	010S	010W	4301330732	9112	FEE	OW	Р
BIRCHELL 1-27A1	27			4301330758		FEE	OW	Р
CHRISTENSEN 2-8B3	08	0208	030W	4301330780	9355	FEE	OW	Р
LAMICQ 2-5B2	05	0208	020W	4301330784	2302	FEE	OW	Р
BROTHERSON 2-14B4	14	0208	040W	4301330815	10450	FEE	OW	Р
MURRAY 3-2A2	02	010S	020W	4301330816	9620	FEE	OW	Р
HORROCKS 2-20A1 V	20	0108	010W	4301330833	8301	FEE	OW	Р
BROTHERSON 2-2B4	02	0208	040W	4301330855	8420	FEE	OW	P
ELLSWORTH 2-8B4	08	L	L	4301330898		FEE	OW	Р
OMAN 2-32A4	32	010S	040W	4301330904	10045	FEE	OW	Р
BELCHER 2-33B4	33	0208	040W	4301330907	9865	FEE	OW	Р
BROTHERSON 2-35B5	35	0208	050W	4301330908	9404	FEE	OW	P
HORROCKS 2-4A1 T	04	010S	010W	4301330954	9855	FEE	OW	Р
JENSEN 2-29A5	29	010S	050W	4301330974	10040	FEE	OW	P
UTE 2-34A4	34	010S	040W	4301330978	10070	FEE	OW	P
CHANDLER 2-5B4	05			4301331000			OW	P
BABCOCK 2-12B4	12	0208	040W	4301331005	10215	FEE	OW	Р
BADGER MR BOOM BOOM 2-29A1	29	0108	010W	4301331013	9463	FEE	OW	Р
BLEAZARD 2-18B4	18	020\$	040W	4301331025	1566	FEE	OW	Р
BROADHEAD 2-32B5	32	020S	050W	4301331036	10216	FEE	OW	P
ELLSWORTH 2-16B4	16			4301331046			OW	P
RUST 3-4B3	04			4301331070		FEE	OW	Р
HANSON TRUST 2-32A3	32	0108	030W	4301331072	1641	FEE	OW	Р
BROTHERSON 2-11B4	11	020\$	040W	4301331078	1541	FEE	OW	P

HANSON TRUST 2-5B3	05	0208	020/4/	4301331079	1626	FEE	OW	P	—
	15			4301331079	1	FEE	OW	P	
BROTHERSON 2-15B4								L L	4
MONSEN 2-27A3	27			4301331104		FEE	OW	P	
ELLSWORTH 2-19B4	19			4301331105		FEE	OW	P	
HUNT 2-21B4	21			4301331114		FEE	OW	P	
JENKINS 2-1B3	01			4301331117		FEE	OW	P	
POTTER 2-24B5	24			4301331118		FEE	OW	P	
POWELL 2-13A2 K	13			4301331120		FEE	OW	Р	
JENKINS 2-12B3	12			4301331121			OW	Р	
MURDOCK 2-26B5	26			4301331124		FEE	OW	Р	
BIRCH 3-27B5	27	.1	1	4301331126		FEE	OW	P	
ROBB 2-29B5	29			4301331130			OW	Р	
LAKE FORK 2-13B4	13			4301331134			OW	P	
DUNCAN 3-1A2 K	01	010S	020W	4301331135	10484	FEE	OW	Р	
HANSON 2-9B3	09			4301331136			OW	P	
ELLSWORTH 2-9B4	09	0208	040W	4301331138	10460	FEE	OW	P	
UTE 2-31A2	31	0108	020W	4301331139	10458	FEE	OW	Р	
POWELL 2-19A1 K	19	0108	010W	4301331149	8303	FEE	OW	Р	
CEDAR RIM 8-A	22	0308	060W	4301331171	10666	FEE	OW	Р	
POTTER 2-6B4	06	0208	040W	4301331249	11038	FEE	OW	P	
MILES 2-1B5	01			4301331257			OW	Р	
MILES 2-3B3	03			4301331261			OW	P	
MONSEN 2-22A3	22			4301331265			OW	Р	
WRIGHT 2-13B5	13			4301331267			OW	P	
TODD 2-21A3	21			4301331296			OW	P	
WEIKART 2-29B4	29			4301331298			OW	P	
YOUNG 2-15A3	15			4301331301			OW	P	
CHRISTENSEN 2-29A4	29			4301331303			OW	P	
BLEAZARD 2-28B4	28			4301331304	+		OW	P	
REARY 2-17A3	17		<u> </u>	4301331304			OW	P	
	11			4301331316			OW	P	
LAZY K 2-11B3	+			4301331354	L		OW	P	
LAZY K 2-14B3	14						OW	P	
MATTHEWS 2-13B2	13			4301331357			OW	P	
LAKE FORK 3-15B4	15			4301331358			OW	P	
STEVENSON 3-29A3	29			4301331376				P	
MEEKS 3-8B3	08			4301331377			OW	•	
ELLSWORTH 3-20B4	20			4301331389			OW	P	
DUNCAN 5-13A2	13			4301331516			OW	Р	
OWL 3-17C5	17			4301332112			OW	P	
BROTHERSON 2-24 B4	24			4301332695			OW	P	
BODRERO 2-15B3	15			4301332755			OW	P	
BROTHERSON 2-25B4	25			4301332791			OW	Р	
CABINLAND 2-16B3	16			4301332914			OW	Р	
KATHERINE 3-29B4	29			4301332923	+		OW	Р	
SHRINERS 2-10C5	10			4301333008			OW	Р	
BROTHERSON 2-26B4	26			4301333139			OW	Р	
MORTENSEN 4-32A2	32	0108	020W	4301333211	15720	FEE	OW	Р	
FERRARINI 3-27B4	27	0205	040W	4301333265	15883	FEE	OW	Р	
RHOADES 2-25B5	25	0208	050W	4301333467	16046	FEE	OW	P	
CASE 2-31B4	31	020S	040W	4301333548	16225	FEE	OW	P	
ANDERSON-ROWLEY 2-24B3	24			4301333616			OW	Р	
SPROUSE BOWDEN 2-18B1	18			4301333808	+		OW	Р	
BROTHERSON 3-11B4	11			4301333904			OW	Р	
KOFFORD 2-36B5	36			4301333988			OW	P	
ALLEN 3-7B4	07			4301334027			OW	P	No. 10 10 10 10 10 10 10 10 10 10 10 10 10
BOURNAKIS 3-18B4	18	<u> </u>	<u> </u>	4301334091	+		OW	Р	
MILES 3-12B5	12			4301334110			OW	P	
OWL and HAWK 2-31B5	31	·		4301334123	<u> </u>		OW	Р	
	<u> </u>	2200	COUTT	1001007120	1	·		<u> </u>	

OWL and HAWK 4-17C5	17	0206	OFO\A/	4301334193	17207	CEC	OW	Р	
	17 32			4301334193	<u> </u>		OW	P	 -
DWR 3-32B5			t	L				P	
LAKE FORK RANCH 3-22B4	22		+	4301334261			OW		ļ
HANSON 3-9B3	09			4301350065			OW	Р	ļ
DYE 2-28A1	28			4301350066			OW	Р	ļ
MEEKS 3-32A4	32			4301350069			OW	P	<u></u>
HANSON 4-8B3	08			4301350088			OW	P	С
LAKE FORK RANCH 3-14B4	14			4301350097			OW	Р	
ALLEN 3-9B4	09			4301350123			OW	Р	<u></u>
HORROCKS 4-20A1	20	0108	010W	4301350155	17916	FEE	OW	P	
HURLEY 2-33A1	33	0108	010W	4301350166	17573	FEE	OW	P	
HUTCHINS/CHIODO 3-20C5	20	0308	050W	4301350190	17541	FEE	OW	Р	
ALLEN 3-8B4	08	0208	040W	4301350192	17622	FEE	OW	P	
OWL and HAWK 3-10C5	10	0308	050W	4301350193	17532	FEE	OW	P	1
OWL and HAWK 3-19C5	19	030S	050W	4301350201	17508	FEE	OW	Р	
EL PASO 4-29B5	29		+	4301350208			ow	P	C
DONIHUE 3-20C6	20			4301350270			OW	Р	1=
HANSON 3-5B3	05			4301350275			OW	Р	С
SPRATT 3-26B5	26			4301350302			OW	P	1
REBEL 3-35B5	35			4301350388			ow	P	С
FREEMAN 4-16B4	16			4301350388			OW	P	C
					L		OW	P	C
WILSON 3-36B5	36			4301350439					
EL PASO 3-21B4	21			4301350474	1		OW	P	С
IORG 4-12B3	12			4301350487			OW	P	С
CONOVER 3-3B3	03			4301350526			OW	Р	С
ROWLEY 3-16B4	16			4301350569			OW	P	С
POTTS 3-14B3	14			4301350570			OW	Р	С
POTTER 4-27B5	27			4301350571			OW	P	С
EL PASO 4-21B4	21			4301350572	·		OW	Р	С
LAKE FORK RANCH 3-26B4	26	0208	040W	4301350707	18270	Fee	OW	Р	С
LAKE FORK RANCH 3-25B4	25	0208	040W	4301350711	18220	Fee	OW	Р	С
LAKE FORK RANCH 4-23B4	23	0208	040W	4301350713	18271	Fee	OW	P	С
LAKE FORK RANCH 4-15B4	15	0208	040W	4301350715	18314	Fee	OW	Р	С
LAKE FORK RANCH 3-24B4	24	0208	040W	4301350716	18269	Fee	OW	P	С
GOLINSKI 1-8C4	08	_1		4301350986			OW	Р	С
J ROBERTSON 1-1B1	01			4304730174		FEE	OW	P	+
TIMOTHY 1-8B1E	08			4304730215		FEE	OW	Р	+
MAGDALENE PAPADOPULOS 1-34A1E	34			4304730241		FEE	OW	P	
NELSON 1-31A1E	31			4304730671		FEE	OW	P	+
ROSEMARY LLOYD 1-24A1E	24			4304730707		FEE	ow	P	+
H D LANDY 1-30A1E	30			4304730790		FEE	ow	P	
						FEE	OW	P	+
WALKER 1-14A1E	14			4304730805					ļ
BOLTON 2-29A1E	29			4304731112		FEE	OW	P	
PRESCOTT 1-35Z1	35			4304731173		FEE	OW	P	+
BISEL GURR 11-1	11			4304731213	1	FEE	OW	Р	
UTE TRIBAL 2-22A1E	22			4304731265		FEE	OW	Р	
L. BOLTON 1-12A1	12			4304731295		FEE	OW	Р	
FOWLES 1-26A1	26	010S	010W	4304731296		FEE	OW	Р	1
BRADLEY 23-1	23	0108	010W	4304731297	8435	FEE	OW	Р	
BASTIAN 1-2A1	02	010S	010W	4304731373	736	FEE	OW	P	
D R LONG 2-19A1E	19			4304731470		FEE	OW	Р	1
D MOON 1-23Z1	23			4304731479			OW	P	
O MOON 2-26Z1	26			4304731480			OW	P	
LILA D 2-25A1	25			4304731797			OW	P	+
LANDY 2-30A1E	30			4304731797			ow	P	+
WINN P2-3B1E	03			4304732321			ow	P	+
	- 			4304732321		The second secon	OW	P	+
BISEL-GURR 2-11A1	11	·			+		+		
FLYING J FEE 2-12A1	12	<u></u>	UTUVV	4304739467	10000	ree	OW	Р	

HARVEST FELLOWSHIP CHURCH 2-14B1	14		<u> </u>	4304739591			OW	Р
OBERHANSLY 3-11A1	11			4304739679			OW	Р
DUNCAN 2-34A1	34			4304739944			OW	Р
BISEL GURR 4-11A1	11			4304739961			OW	P
KILLIAN 3-12A1	12			4304740226			OW	P
WAINOCO ST 1-14B1	14			4304730818		ML-24306-A	OW	Р
UTAH ST UTE 1-35A1	35			4304730182		ML-25432	OW	Р
STATE 1-19A4	19	010S	040W	4301330322	9118	ML-27912	OW	Р
FEDERAL 2-28E19E	28	050S	190E	4304732849	12117	UTU-0143512	OW	Р
FEDERAL 1-28E19E	28	050S	190E	4304730175	5680	UTU143512	OW	Р
BLANCHARD 1-3A2	03	0108	020W	4301320316	5877	FEE	OW	PA
W H BLANCHARD 2-3A2	03	010S	020W	4301330008	5775	FEE	OW	PA
YACK U 1-7A1	07	010S	010W	4301330018	5795	FEE	OW	PA
JAMES POWELL 3	13		+	4301330024		FEE	WD	PA
BASTIAN 1 (3-7D)	07			4301330026		FEE	OW	PA
LAMICQ-URRUTY 1-8A2	08			4301330036		FEE	OW	PA
BLEAZARD 1-18B4	18			4301330059			OW	PA
OLSEN 1-27A4	27			4301330064		FEE	OW	PA
EVANS 1-31A4	31	1		4301330067		FEE	OW	PA
HAMBLIN 1-26A2	26		1	4301330083	L	FEE	OW	PA
HARTMAN 1-31A3	31			4301330093			OW	PA
FARNSWORTH 1-7B4	07			4301330097		FEE	ow	PA
POWELL 1-33A3	33			4301330105		FEE	ow	PA
LOTRIDGE GATES 1-3B3	03			4301330103		FEE	OW	PA
REMINGTON 1-34A3	34		L	4301330117	L	FEE	OW	PA
						FEE	OW	PA
ANDERSON 1-28A2	28			4301330150				PA
RHOADES MOON 1-35B5	35			4301330155		FEE	OW	
JOHN 1-3B2	03			4301330160		FEE	OW	PA
SMITH 1-6C5	06			4301330163		FEE	OW	PA
HORROCKS FEE 1-3A1	03			4301330171		FEE	OW	PA
WARREN 1-32A4	32			4301330174		FEE	OW	PA
JENSEN FENZEL 1-20C5	20			4301330177		FEE	OW	PA
MYRIN RANCH 1-13B4	13			4301330180		FEE	OW	PA
BROTHERSON 1-27B4	27			4301330185		FEE	OW	PA
JENSEN 1-31A5	31			4301330186		FEE	OW	PA
ROBERTSON 1-29A2	29			4301330189		FEE	OW	PA
WINKLER 1-28A3	28			4301330191		FEE	OW	PA
CHENEY 1-33A2	33			4301330202		FEE	OW	PA
J LAMICQ STATE 1-6B1	06			4301330210		FEE	OW	PA
REESE ESTATE 1-10B2	10			4301330215		FEE	OW	PA
REEDER 1-17B5	17			4301330218		FEE	OW	PA
ROBERTSON UTE 1-2B2	02			4301330225		FEE	OW	PA
HATCH 1-5B1	05	020S	010W	4301330226	5470	FEE	OW	PA
BROTHERSON 1-22B4	22	0208	040W	4301330227	5935	FEE	OW	PA
ALLRED 1-16A3	16	0108	030W	4301330232	1780	FEE	OW	PA
BIRCH 1-35A5	35	0108	050W	4301330233	9116	FEE	OW	PA
MARQUERITE UTE 1-8B2	08	0205	020W	4301330235	9122	FEE	OW	PA
BUZZI 1-11B2	11			4301330248			OW	PA
SHISLER 1-3B1	03			4301330249			OW	PA
TEW 1-1B5	01	+	·	4301330264			OW	PA
EVANS UTE 1-19B3	19			4301330265			OW	PA
SHELL 2-27A4	27		+	4301330266			WD	PA
DYE 1-29A1	29			4301330271			OW	PA
VODA UTE 1-4C5	04			4301330283			OW	PA
BROTHERSON 1-28A4	28			4301330292		The same of the sa	OW	PA
MEAGHER 1-4B2	04			4301330292		FEE	OW	PA
NORLING 1-9B1	09			4301330315		FEE	OW	PA
	09			4301330316		FEE	OW	PA
S. BROADHEAD 1-9C5	UB	0303	UJUVV	490 (9909 10	JJ4U	I CL	UVV	

THACTING A GOAG	00	0400	000141	100100001	140000		10141	54
TIMOTHY 1-09A3	09			4301330321			OW	PA
BARRETT 1-34A5	34			4301330323		FEE	OW	PA
MEAGHER TRIBAL 1-9B2	09			4301330325		FEE	OW	PA
PHILLIPS UTE 1-3C5	03			4301330333		FEE	OW	PA
ELLSWORTH 1-20B4	20			4301330351		FEE	OW	PA
LAWSON 1-28A1	28			4301330358		FEE	OW	PA
AMES 1-23A4	23			4301330375		FEE	OW	PA
HORROCKS 1-6A1	06			4301330390		FEE	OW	PA
SHRINE HOSPITAL 1-10C5	10			4301330393		FEE	OW	PA
GOODRICH 1-18B2	18	020S	020W	4301330397	5485	FEE	OW	PA
SWD POWELL 3	13			4301330478		FEE	WD	PA
BODRERO 1-15B3	15	0208	030W	4301330565	4534	FEE	OW	PA
MOON TRIBAL 1-30C4	30	0308	040W	4301330576	2360	FEE	OW	PA
DUNCAN 2-9B5	09	0208	050W	4301330719	5440	FEE	OW	PA
FISHER 1-16A4	16	0108	040W	4301330737	2410	FEE	OW	PA
URRUTY 2-34A2	34			4301330753		FEE	OW	PA
GOODRICH 1-24A4	24			4301330760		FEE	OW	PA
CARL SMITH 2-25A4	25			4301330776		FEE	OW	PA
ANDERSON 1-A30B1	30			4301330783		FEE	OW	PA
CADILLAC 3-6A1	06			4301330834		FEE	ow	PA
MCELPRANG 2-31A1	31			4301330836		FEE	ow	PA
REESE ESTATE 2-10B2	10			4301330837		FEE	OW	PA
CLARK 2-9A3	09			4301330876		FEE	OW	PA
JENKINS 3-16A3	16			4301330877		FEE	OW	PA
CHRISTENSEN 2-26A5	26			4301330905			OW	PA
FORD 2-36A5	36			4301330903		FEE	OW	PA
MORTENSEN 2-32A2	32			4301330911		FEE	OW	PA
WILKERSON 1-20Z1	20			4301330929		FEE	OW	PA
	04			4301330942			OW	PA
UTE TRIBAL 2-4A3 S	<u> </u>							
OBERHANSLY 2-31Z1	31			4301330970		FEE	OW	PA
MORRIS 2-7A3	07			4301330977		FEE	OW	PA
POWELL 2-08A3	08			4301330979	1		OW	PA
FISHER 2-6A3	06			4301330984			OW	PA
JACOBSEN 2-12A4	12			4301330985			OW	PA
CHENEY 2-33A2	33			4301331042	1		OW	PA
HANSON TRUST 2-29A3	29			4301331043		FEE	OW	PA
BURTON 2-15B5	15			4301331044			OW	PA
EVANS-UTE 2-17B3	17			4301331056			ow	PA
ELLSWORTH 2-20B4				4301331090		FEE	OW	PA
REMINGTON 2-34A3	34			4301331091			OW	PA
WINKLER 2-28A3	28			4301331109			OW	PA
TEW 2-10B5	10			4301331125			OW	PA
LINDSAY 2-33A4	33	0108	040W	4301331141	1756	FEE	OW	PA
FIELDSTED 2-28A4	28	010S	040W	4301331293	10665	FEE	OW	PA
POWELL 4-13A2	13	0108	020W	4301331336	11177	FEE	GW	PA
DUMP 2-20A3				4301331505			OW	PA
SMITH 2X-23C7				4301331634			D	PA
MORTENSEN 3-32A2	32			4301331872			OW	PA
TODD USA ST 1-2B1	02			4304730167			OW	PA
STATE 1-7B1E	07			4304730180		FEE	OW	PA
BACON 1-10B1E	10			4304730881		FEE	OW	PA
PARIETTE DRAW 28-44	28			4304731408		FEE	OW	PA
REYNOLDS 2-7B1E	07			4304731840		FEE	OW	PA
STATE 2-35A2	35			4301330156	<u> </u>	ML-22874	ow	PA
UTAH STATE L B 1-11B1	11			4304730171		ML-23655	OW	PA
STATE 1-8A3	08			4301330286		ML-24316	ow	PA
UTAH FEDERAL 1-24B1	24			4304730220		ML-26079	OW	PA
						14-20-462-1329		S
CEDAR RIM 15	34	0305	OOUVV	4301330383	0292	14-20-402-1329	UVV	3

LUTE TOIDAL O 0407	0.4	0000	070144	4004004000	40040	44 00 1100 4405	014/		
UTE TRIBAL 2-24C7	24					14-20-H62-1135		S S	
CEDAR RIM 12	28		1		1	14-20-H62-1323			
CEDAR RIM 16	33					14-20-H62-1328		S	
SPRING HOLLOW 2-34Z3	34	l		4301330234	·	14-20-H62-1480		S	
EVANS UTE 1-17B3	17			4301330274		14-20-H62-1733		S	
UTE JENKS 2-1-B4 G	01	·		l	·	14-20-H62-1782		S	
UTE 3-12B3	12					14-20-H62-1810		S	
UTE TRIBAL 9-4B1	04			4301330194		14-20-H62-1969		S	
UTE TRIBAL 2-21B6	21	J				14-20-H62-2489		S	
UTE 1-33B6	33			4301330441				S	
UTE 2-22B5	22	1				14-20-H62-2509		S	
UTE 1-18B1E	18			4304730969			OW	S	
LAUREN UTE 1-23A3	23	0108	030W	4301330895	9403	14-20-H62-3981	OW	S	
UTE 2-28B6	28	0208	060W	4301331434	11624	14-20-H62-4622		S	
UTE 1-27B6X	27	020S	060W	4301330517	11166	14-20-H62-4631	OW	S	
UTE 2-27B6	27	0208	060W	4301331449	11660	14-20-H62-4631		S	
CEDAR RIM 10-15C6	15	0308	060W	4301330328	6365	14-20-H62-4724	OW	S	
UTE 5-30A2	30	010S	020W	4301330169	5910	14-20-H62-4863	OW	S	
UTE TRIBAL G-1 (1-24C6)	24		1	4301330298		14-20-H62-4866		S	
UTE TRIBAL FEDERAL 1-30C5	30		1	4301330475		14-20-H62-4876		S	
SMB 1-10A2	10			4301330012		FEE	OW	S	
KENDALL 1-12A2	12			4301330013		FEE	OW	S	
CEDAR RIM 2	20			4301330019		FEE	ow	S	
URRUTY 2-9A2	09			4301330046	1	FEE	OW	S	
BROTHERSON 1-14B4	14			4301330051		FEE	ow	S	
RUST 1-4B3	04			4301330063		FEE	ow	S	
MONSEN 1-21A3	21	1		4301330082		FEE	ow	S	
	-			4301330062		FEE	OW	S	
BROTHERSON 1-10B4	10					FEE	OW	S	
FARNSWORTH 1-12B5	12			4301330124				S	
ELLSWORTH 1-16B4	16		I	4301330192		FEE	OW		
MARSHALL 1-20A3	20			4301330193		FEE	OW	S	
CHRISTMAN BLAND 1-31B4	31			4301330198		FEE	OW		
ROPER 1-14B3	14			4301330217		FEE	OW	S	
BROTHERSON 1-24B4	24			4301330229		FEE	OW	S	
BROTHERSON 1-33A4	33			4301330272		FEE	OW	S	
BROTHERSON 1-23B4	23			4301330483		FEE	OW	S	
SMITH ALBERT 2-8C5	08			4301330543			OW	S	
VODA JOSEPHINE 2-19C5	19			4301330553			OW	S	
HANSEN 1-16B3	16		·	4301330617	·		OW	S	
BROTHERSON 1-25B4	25			4301330668		FEE	OW	S	
POWELL 2-33A3	33	010S	030W	4301330704	2400	FEE	OW	S	
BROWN 2-28B5	28	0208	050W	4301330718	9131	FEE	OW	S	
EULA-UTE 1-16A1	16	0108	010W	4301330782	8443	FEE	OW	S	
JESSEN 1-15A4	15			4301330817		FEE	OW	S	
R HOUSTON 1-22Z1	22			4301330884		FEE	OW	S	
FIELDSTED 2-27A4	27			4301330915		FEE	OW	S	
HANSKUTT 2-23B5	23			4301330917			OW	S	
TIMOTHY 3-18A3	18			4301330940		FEE	OW	S	
BROTHERSON 2-3B4	03			4301331008			OW	S	
BROTHERSON 2-22B4	22			4301331086		FEE	OW	S	
MILES 2-35A4	35			4301331087			OW	S	
ELLSWORTH 2-17B4	17	+		4301331089		FEE	OW	S	
RUST 2-36A4	36			4301331092		FEE	OW	S	
EVANS 2-19B3	19			4301331092		FEE	OW	S	
	12			4301331115		FEE	OW	S	
FARNSWORTH 2-12B5							OW	S	
CHRISTENSEN 3-4B4	04	+		4301331142	+			S	
ROBERTSON 2-29A2	29		<u> </u>	4301331150	 		OW	A	
CEDAR RIM 2A	20	0308	UDUVV	4301331172	100/1	rct	OW	S	

El Paso E9 Company, L.P. (N3065) to EP Energy E9 Company, L.P. (N3850) effective 6/1/2012

HARTMAN 2-31A3	31	0108	030W	4301331243	11026	FEE	OW	S
GOODRICH 2-2B3	02	020\$	030W	4301331246	11037	FEE	OW	S
JESSEN 2-21A4	21	0108	040W	4301331256	11061	FEE	OW	S
BROTHERSON 3-23B4	23	020S	040W	4301331289	11141	FEE	OW	S
MYRIN RANCH 2-18B3	18	020\$	030W	4301331297	11475	FEE	OW	S
BROTHERSON 2-2B5	02	020\$	050W	4301331302	11342	FEE	OW	S
DASTRUP 2-30A3	30	010S	030W	4301331320	11253	FEE	OW	S
YOUNG 2-30B4	30	020S	040W	4301331366	11453	FEE	OW	S
IORG 2-10B3	10	0208	030W	4301331388	11482	FEE	OW	S
MONSEN 3-27A3	27	0108	030W	4301331401	11686	FEE	OW	S
HORROCKS 2-5B1E	05	0208	010E	4304732409	11481	FEE	OW	S
LARSEN 1-25A1	25	0108	010W	4304730552	815	FEE	OW	TA
DRY GULCH 1-36A1	36	0108	010W	4304730569	820	FEE	OW	TA

	STATE OF UTAH			FORM 9
	DEPARTMENT OF NATURAL RESOURG DIVISION OF OIL, GAS, AND MI		3	5.LEASE DESIGNATION AND SERIAL NUMBER: Fee
SUNDR	RY NOTICES AND REPORTS	ON	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for procurrent bottom-hole depth, FOR PERMIT TO DRILL form	posals to drill new wells, significantly reenter plugged wells, or to drill horizon for such proposals.	deep ontal I	en existing wells below aterals. Use APPLICATION	7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well				8. WELL NAME and NUMBER: LAKE FORK RANCH 4-26B4
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY,	L.P.			9. API NUMBER: 43013507140000
3. ADDRESS OF OPERATOR: 1001 Louisiana, Houston,	TX, 77002 713 997-5		NE NUMBER: Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1779 FSL 1775 FEL			COUNTY: DUCHESNE	
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 26 Township: 02.0S Range: 04.0W Mer	U	STATE: UTAH	
11. CHEC	K APPROPRIATE BOXES TO INDICA	TE N	ATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION			TYPE OF ACTION	
	ACIDIZE		ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS		CHANGE TUBING	CHANGE WELL NAME
	CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	□ F	RACTURE TREAT	NEW CONSTRUCTION
	OPERATOR CHANGE	□ Р	PLUG AND ABANDON	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	□ R	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	□ s	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	□ v	/ENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF	□ s	SI TA STATUS EXTENSION	APD EXTENSION
11/26/2012	WILDCAT WELL DETERMINATION		OTHER	OTHER:
12 DESCRIBE PROPOSED OR	COMPLETED OPERATIONS. Clearly show	all ne	rtinent details including dates, d	<u>'</u>
	02/13/12 and then suspend	-		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY
				November 28, 2012
NAME (DI EASE DRINT)	DUONE AUTOR	2ED	TITI E	
Maria S. Gomez	PHONE NUME 713 997-5038	DEK	TITLE Principal Regulatory Analys	t
SIGNATURE N/A			DATE 11/26/2012	
I .			· ·	

	STATE OF UTAH		FORM 9		
ı	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MININ		5.LEASE DESIGNATION AND SERIAL NUMBER: Fee		
SUNDR	Y NOTICES AND REPORTS O	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
	posals to drill new wells, significantly de reenter plugged wells, or to drill horizonta n for such proposals.		7.UNIT or CA AGREEMENT NAME:		
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: LAKE FORK RANCH 4-26B4		
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3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston,		HONE NUMBER: 8 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1779 FSL 1775 FEL			COUNTY: DUCHESNE		
QTR/QTR, SECTION, TOWNSH	<mark>IIP, RANGE, MERIDIAN:</mark> 26 Township: 02.0S Range: 04.0W Meridia	ın: U	STATE: UTAH		
11. CHECI	K APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPOR	RT, OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION			
	ACIDIZE	ALTER CASING	CASING REPAIR		
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME		
3/7/2013	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE		
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION		
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK		
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION		
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON		
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL		
☐ DRILLING REPORT	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION		
Report Date:	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER: Initial Completion		
12 DESCRIBE PROPOSED OR	COMPLETED OPERATIONS. Clearly show all	partinent details including dates	·		
12. 22.001.02. 1 1.01. 00.22 0.1.	Please see attached for detail	·	Approved by the Utah Division of Oil, Gas and Mining		
			Date: February 26, 2013		
			$\bigcap_{i \in \mathcal{I}} \mathcal{I}(i) = \mathcal{I}(i)$		
			By: Usr L Junt		
NAME (PLEASE PRINT)	PHONE NUMBER	TITLE			
Maria S. Gomez	713 997-5038	Principal Regulatory Analys	st		
SIGNATURE N/A		DATE 2/26/2013			

Lakefork Ranch 4-26B4 Initial Completion 43013507140000

The following precautions will be taken until the RCA for the Conover is completed:

- 1. Review torque turning and running of the 7" and 4 1/2" liner of anomalies.
- 2. Test and chart casing for 30 minutes, noting pressure if any on surface casing.
- 3. Test all lubricators, valves and BOP's to working pressure.
- 4. Wellhead isolation tools will continue to be used to isolate the wellhead during the frac.
- 5. Monitor the surface casing during frac:
 - a. Lay a flowline to the flow back tank and keep the valve open.
 - b. This line will remain in place until a wire line set retrievable packer is in place isolating the 4 1/2" casing from the 7" after the frac.
- 6. 2 7/8" tubing will be run to isolate the 7" casing during the flow back of the well.
- 7. Well pressure and annulus pressure would be monitored during this time until the well is ready for pump.

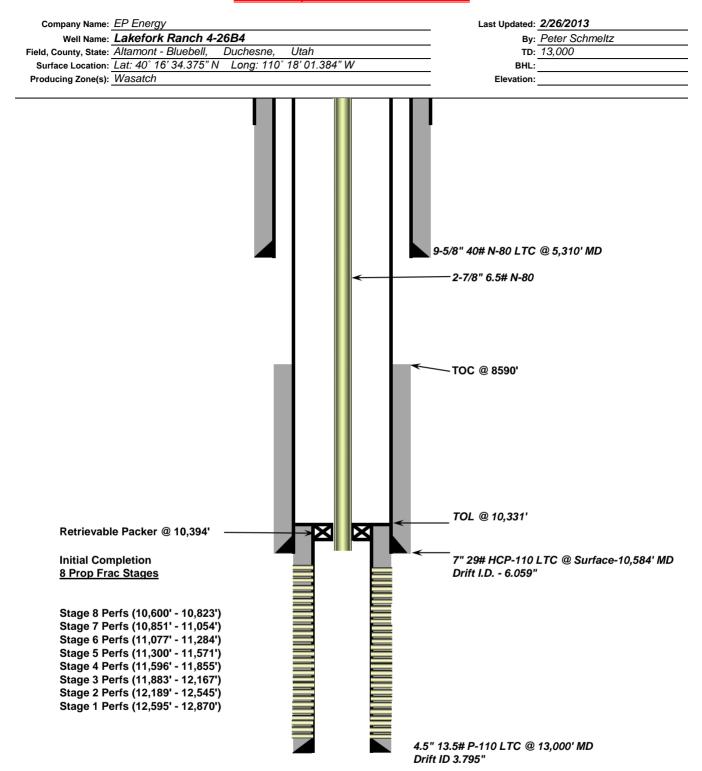
Completion Information (Wasatch Formation)

- Stage 1: RU WL unit with 10K lubricator and test to 10000 psi with glycol. Perforations from $^{\sim}12595' 12870'$ with $^{\sim}5000$ gallons of 15% HCL acid, $^{\sim}3000\#$ of 100 mesh sand and $^{\sim}130000\#$ Powerprop 20/40.
- Stage 2: RU 10K lubricator and test to 10000 psi with glycol. Set 10K CBP @ ~12560'. Tag CBP. Perforations from ~12189' 12545' with ~5000 gallons of 15% HCL acid, ~3000# of 100 mesh sand and ~130000# Powerprop 20/40.
- Stage 3: RU WL unit with 10K lubricator and test to 10000 psi with glycol. Set 10K CBP @ ~12175'. Tag CBP. Perforations from ~11883' 12167' with ~5000 gallons of 15% HCL acid, ~3000# of 100 mesh sand and ~140000# Powerprop 20/40.

- Stage 4: RU 10K lubricator and test to 10000 psi with glycol. Set 10K CBP @ 11870 . Tag CBP. Perforations from 11596 11855' with 5000 gallons of 15% HCL acid, 3500 of 100 mesh sand and 150000 Powerprop 20/40.
- Stage 5: RU 10K lubricator and test to 10000 psi with glycol. Set 10K CBP @ ~11585'. Tag CBP. Perforations from ~11300' 11571' with ~5000 gallons of 15% HCL acid, ~3500# of 100 mesh sand and ~150000# Powerprop 20/40.
- Stage 6: RU 10K lubricator and test to 10000 psi with glycol. Set 10K CBP @ $^{\sim}$ 11290'. Tag CBP. Perforations from $^{\sim}$ 11077' 11284' with $^{\sim}$ 5000 gallons of 15% HCL acid, $^{\sim}$ 3000# of 100 mesh sand and $^{\sim}$ 135000# Powerprop 20/40.
- Stage 7: RU 10K lubricator and test to 10000 psi with glycol. Set 10K CBP @ $^{\sim}$ 11065′. Tag CBP. Perforations from $^{\sim}$ 10851′ 11054′ with $^{\sim}$ 5000 gallons of 15% HCL acid, $^{\sim}$ 3000# of 100 mesh sand and $^{\sim}$ 135000# Powerprop 20/40.
- Stage8: RU 10K lubricator and test to 10000 psi with glycol. Set 10K CBP @ $^{\sim}$ 10840'. Tag CBP. Perforations from $^{\sim}$ 10600' 10823' with $^{\sim}$ 5000 gallons of 15% HCL acid, $^{\sim}$ 3000# of 100 mesh sand and $^{\sim}$ 140000# Powerprop 20/40.



Initial Completion Wellbore Schematic



	STATE OF UTAH			FORM 9
ı	DEPARTMENT OF NATURAL RESOU DIVISION OF OIL, GAS, AND N		ì	5.LEASE DESIGNATION AND SERIAL NUMBER: Fee
SUNDR	Y NOTICES AND REPORT	S ON	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for pro current bottom-hole depth, I FOR PERMIT TO DRILL form	posals to drill new wells, significant reenter plugged wells, or to drill hori n for such proposals.	tly deep izontal l	en existing wells below aterals. Use APPLICATION	7.UNIT or CA AGREEMENT NAME:
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NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS		CHANGE TUBING	CHANGE WELL NAME
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SPUD REPORT	PRODUCTION START OR RESUME		RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION		SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR		ENT OR FLARE	WATER DISPOSAL
✓ DRILLING REPORT				
Report Date: 4/5/2013	WATER SHUTOFF		SI TA STATUS EXTENSION	APD EXTENSION
	WILDCAT WELL DETERMINATION		OTHER	OTHER:
l .	COMPLETED OPERATIONS. Clearly sho			Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY April 17, 2013
NAME (PLEASE PRINT) Maria S. Gomez	PHONE NUI	MBER	TITLE Principal Regulatory Analys	†
	713 997-5038		, , ,	ı.
SIGNATURE N/A			DATE 4/5/2013	

CENTRAL DIVISION

1 General

Customer Information 1.1

Company	CENTRAL DIVISION
Representative	
Address	

1.2 **Well Information**

Well	LAKE FORK RANCH 4-26B4								
Project	ALTAMONT FIELD	Site	LAKE FORK RANCH 4-26B4						
Rig Name/No.	PRECISION DRILLING/406	Event	DRILLING LAND						
Start Date	1/13/2013	3/2013 End Date 2/13/2013							
Spud Date/Time	1/16/2013	UWI	LAKE FORK RANCH 4-26B4						
Active Datum	KB @6,354.0ft (above Mean Sea Level)								
Afe	152766/44770 / LAKE FORK RANCH 4-26B4								
No./Description									

2 Summary

2.1 **Operation Summary**

Date		ime rt-End	Duratio n (hr)	Phase	Activit y	Sub	OP Code	MD From (ft)	Operation
1/13/2013	6:00	6:00	24.00	MIRU	01		Р	1,029.0	100% MOVED. 0% RIGGED UP
1/14/2013	6:00	6:00	24.00	MIRU	01		Р	1,029.0	SET RIG IN, RIG UP. 100% MOVED 40% RIGGED UP
1/15/2013	6:00	6:00	24.00	MIRU	01		Р	1,029.0	RIGGING UP, RAISE DERRICK, SET IN MUD CLEANER, RU TOP DRIVE,
1/16/2013	6:00	10:30	4.50	MIRU	01		Р	1,029.0	RIG UP TOP DRIVE, HOOK UP KELLY HOSE, INSTALL ELEVATORS AND BAILS.
	10:30	13:00	2.50	CASCOND	28		Р	1,029.0	NIPPLE UP SPACER SPOOL, ROTATING HEAD AND FLOW LINE
	13:00	19:00	6.00	CASCOND	30		Р	1,029.0	PRESSURE TEST DIVERTER STACK. TEST ANNULAR, HCR VALVE, MANUAL VALVE, KILL LINE VALVE, CHECK VALVE 250 LOW / 2500 LOW, 10 MINUTES EACH. P. TEST MANIFOLD 250 LOW / 10,000 HIGH, 10 MINUTES EACH TEST. PULL TEST PLUG.
	19:00	23:00	4.00	CASCOND	42		Р	1,029.0	DRESS RIG FLOOR. MOVE BHA TO RACKS. MEASURE & CALIPER BHA. DRESS SHAKERS.
	23:00	3:30	4.50	CASCOND	43		N	1,029.0	TROUBLE SHOOT ROTARY TABLE. (STAYING ENGAGED)
	3:30	6:00	2.50	CASCOND	14		Р	1,029.0	PU/MU BIT & BHA.
1/17/2013	6:00	9:30	3.50	DRLSURF	14		Р	1,015.0	PUMU 12 1/4" BIT, MM, SS. PUMU DCS & HW. THAWED TDU & ROTARY CLUTCH. PUMU 4 1/2" DRILL PIPE.
	9:30	11:00	1.50	DRLSURF	17		Р	1,015.0	CUT DRILL LINE. INSTALLED RH RUBBER.
	11:00	12:00	1.00	DRLSURF	31		Р	1,015.0	SUCCESSFULLY TESTED CASING TO 1,000 PSI FOR 30 MINS.
	12:00	15:00	3.00	DRLSURF	72		Р	1,015.0	DRILLED CEMENT, FLOAT EQUIPMENT, AND SHOE AT 1,015'. POWER WASHED SHAKER SCREENS SEVERAL TIMES. REPLACED SCREENS.
	15:00	1:30	10.50	DRLSURF	07		Р	1,015.0	DRILLED 1,015 TO 2050'.
	1:30	2:00	0.50	DRLSURF	11		Р	2,050.0	SL SURVEY AT 2,003'. UNSUCCESSFUL.
	2:00	2:30	0.50	DRLSURF	11		Р	2,050.0	RE-SURVEYED 1.24 INC.
	2:30	6:00	3.50	DRLSURF	07		Р	2,050.0	DRILLED 2050' TO 2,300'.
1/18/2013	6:00	13:30	7.50	DRLSURF	07		Р	2,300.0	DRILLED 2,300' - 3,000'.
	13:30	14:00	0.50	DRLSURF	12		Р	2,300.0	SERVICED RIG & TDU.
	14:00	15:00	1.00	DRLSURF	07		Р	3,000.0	DRILLED 3,000' - 3,061'.
	15:00	15:30	0.50	DRLSURF	11		Р	3,061.0	SL SURVEY @ 3045' = 3.13 DEGREES.
	15:30	19:00	3.50	DRLSURF	07		Р	3,061.0	DRILLED 3,061' - 3,373'.
	19:00	20:00	1.00	DRLSURF	11		Р	3,373.0	SL SURVEY @ 3,308' = 3.24 DEGREES.

Date		Time ert-End	Duratio n	Phase	Activit y	Sub	OP Code	MD From (ft)	Operation
	20:00	0:30	(hr) 4.50	DRLSURF	07		P	3 373 0	DRILLED 3,373' - 3,566', LOST 300 PSI.
	0:30	1:30	1.00	DRLSURF	12		P		SERVICED RIG, WENT THROUGH PUMPS, FOUND RUBBER.
	1:30	2:00	0.50	DRLSURF	07		P		DRILLED 3566' - 3592'.
	2:00	3:00	1.00	DRLSURF	12		P		WENT THROUGH PUMPS, MORE RUBBER FOUND.
	3:00	6:00	3.00	DRLSURF	07		P		DRILLED 3,592' - 3,750'.
1/19/2013	6:00	12:00	6.00	DRLSURF	07		P	· · · · · · · · · · · · · · · · · · ·	DRILLED, 3750'-4025'.
1719/2013	12:00	12:30	0.50	DRLSURF	12		P		SERVICED RIG AND TDU.
	12:30	16:00	3.50	DRLSURF	07		P	,	DRILLED, 4025'-4180'.
	16:00	18:00	2.00	DRLSURF	12		P	· · · · · · · · · · · · · · · · · · ·	REPAIRED #2 PUMP-REPLACED LINER.
	18:00	6:00	12.00	DRLSURF	07		P		DRILLED, 4180'-4750.
1/20/2013	6:00	1:00	19.00	DRLSURF	07		P		DRILLED, 4750'-5312'.
1/20/2010	1:00	2:00	1.00	DRLSURF	15		P	· · · · · · · · · · · · · · · · · · ·	C & C MUD.
	2:00	6:00	4.00	DRLSURF	16		P		BACKREAMED 5312' TO SHOE.'
1/21/2013	6:00	15:00	9.00	DRLSURF	16		P		BACKREAMED 3125'-1688'.
112112010	15:00	15:30	0.50	DRLSURF	12		P		CHANGED DIES IN GRABBER .
	15:30	18:30	3.00	DRLSURF	16		P		BACKREAMED 1688'-1015' (SHOE).
	18:30	19:30	1.00	DRLSURF	13		Р	•	TOOH TO BHA.
	19:30	23:30	4.00	DRLSURF	13		Р		TOOH WITH BHA-BROKE BIT, LD S.S., MUD MTR.
	23:30	0:30	1.00	DRLSURF	12		P		CLEARED FLOOR, SERVICED RIG AND TDU.
	0:30	6:00	5.50	DRLSURF	13		Р	· · · · · · · · · · · · · · · · · · ·	WIPER TIH WITH BIT.
1/22/2013	6:00	7:00	1.00	DRLSURF	13		P	-,-	TIH TO 5200'.
172272010	7:00	8:00	1.00	DRLSURF	16		P		REAMED FILL, 5200' TO 5312'.
	8:00	9:30	1.50	DRLSURF	15		Р	· · · · · · · · · · · · · · · · · · ·	C&C MUD.
	9:30	12:00	2.50	DRLSURF	11		Р		PJSM, RUN GYRO AT 200' INTERVALS TO 5,304'.
	12:00	19:30	7.50	DRLSURF	13		Р		BACKREAMED TO SHOE AT 1,015'.
	19:30	20:30	1.00	DRLSURF	13		Р	•	TOOH TO DRILL COLLARS.
	20:30	23:30	3.00	DRLSURF	13		Р		LAID DOWN DRILL COLLARS.
	23:30	0:00	0.50	DRLSURF	12		Р		CLEARED FLOOR, SERVICED RIG & TDU.
	0:00	3:30	3.50	CASSURF	24		Р	5,312.0	PJSM. RU FRANK'S WESTATES' CASING TOOLS AND FILL-UP TOOL. FIRST SET OF ELEVATORS WERE FROZEN. PICKED UP BACKUP SET.
	3:30	6:00	2.50	CASSURF	24		Р	5,312.0	PUMU SHOE, FLOAT JT, & FLOAT COLLAR. RIH WITH 9 5/8", 40#, N-80, LTC CASING.
1/23/2013	6:00	18:00	12.00	CASSURF	24		Р	5,312.0	FINISHED SIH 9 5/8", 40#, N-80, LTC, SURFACE CASING. CBU AT 2,000' INTERVALS. UTILIZED 38 STANDARD BOWSPRING CENTRALIZERS. CEMENT BASKET AT 400'.
	18:00	19:00	1.00	CASSURF	24		Р	5,312.0	RD CASING TOOLS & FILL-UP TOOL.
	19:00	20:30	1.50	CASSURF	24		Р	5,312.0	RU HALLIBURTON HEAD, C & C MUD FOR CEMENT JOB. HELD PJSM WITH CEMENTERS.
	20:30	0:00	3.50	CASSURF	25		Р	5,312.0	TESTED P & L TO 5,000 PSI. PUMPED 100 BBLS FW SPACER. M & P 426BBLS / 820 SKS LEAD SLURRY AT 3.17 YIELD & 11.0 PPG. M & P 46 BBLS / 195 SKS TAIL SLURRY AT 1.33 YIELD & 14.2 PPG. RELEASED PLUG. DISPLACED WITH 380 BBLS 9.7 PPG WBM & 20 BBLS FW. PLUG DOWN @ MIDNIGHT, 01/22/2013 WITH 1,025 PSI. FLOWED BACK 2 BBLS, FLOATS HELD. 85% RETURNS TOWARD END OF DISPLACEMENT. RECOVERED 80 BBLS OF CEMENT BACK TO SURFACE. SHOE AT 5,310'.
	0:00	3:30	3.50	CASSURF	25		Р	5,312.0	RD HES' HEAD. SWAPPED BAILS & ELEVATORS. PUMU X-O SUB TO DP. RAN 200' OF 1" TUBING FOR TOP JOB. TOPPED OUT WITH 21 BBLS OF 100 SKS AT 1.17 YIELD & 15.8 CLASS G CEMENT PLUS 2% CACL2. RD HALLIBURTON.
	3:30	6:00	2.50	CASSURF	29		Р	5,312.0	ND DIVERTER WHILE REPLACING 6" PUMP PARTS WITH 5" PARTS.

Date		Гime	Duratio	Phase	Activit	Sub	OP	MD From	Operation
	Sta	rt-End	n		У		Code	(ft)	
1/24/2013	0.00	40.00	(hr)	OAGGUDE	20			5.040.0	
1/24/2013	6:00	12:00	6.00	CASSURF	29		Р	5,312.0	FINISHED ND DIVERTER WHILE REPLACING 6" PUMP PARTS WITH 5" PARTS. CLEANED PITS.
	12:00	16:00	4.00	CASSURF	27		Р	5,312.0	CUT OFF 13 3/8" WELL HEAD & 9 5/8" CASING. WELDED 11" 5M WELL HEAD. TESTED WELD TO 2,000 PSI. CLEANED PITS.
	16:00	3:00	11.00	CASSURF	28		Р	5,312.0	NU 11"10M B-SECTION & BOPE.
	3:00	5:00	2.00	CASSURF	17		Р	5,312.0	WEATHERFORD BROUGHT INCORRECT TEST PLUG. SLIP AND CUT DRILL LINE WHILE WAITING FOR TEST PLUG.
	5:00	6:00	1.00	CASSURF	30		Р	5,312.0	TEST 11" 10M BOPE.
1/25/2013	6:00	16:00	10.00	CASSURF	30		Р	5,312.0	TESTED CHOKE LINE, INNER & OUTER CHOKE LINE VALVES TO 300 PSI LOW & 5,000 PSI HIGH. PRESSURE TESTED UPPER & LOWER PIPE RAMS, BOTH INNER, OUTER KILL LINE VALVES, MANUAL, BLIND RAMS, CHOKE VALVE & HYDRAULIC VALVES ON TOP DRIVE TO 300 PSI LOW & 5000 PSI HIGH FOR 10 MIN. EACH. TESTED ANNULAR TO 300 PSI LOW AND 2,500 PSI HIGH FOR 10 MINUTES EACH. TESTED ACCUMULATOR. INSULATED CHOKE & MGS LINES.
	16:00	17:00	1.00	CASSURF	31		Р	5,312.0	TESTED CASING TO 2,500 PSI FOR >30 MINUTES.
	17:00	20:00	3.00	CASSURF	28		Р	5,312.0	INSERTED WEAR BUSHING. NU ROTATING HEAD & FLOW LINE
	20:00	0:00	4.00	CASSURF	14		Р	5,312.0	PJSM. PUMU RYAN'S 1.5 MM / MWD STEERABLE ASSY. TESTED ASSY.
	0:00	2:00	2.00	CASSURF	14		Р	5,312.0	PICK UP 16 X 6 1/8" DRILL COLLARS.
	2:00	5:00	3.00	DRLINT1	13		Р	5,312.0	TIH. TAG CEMENT.
	5:00	6:00	1.00	DRLINT1	72		Р	5,312.0	DRILL CEMENT & FE.
1/26/2013	6:00	7:00	1.00	DRLINT1	32		Р	5,312.0	FINISHED DRILL FLOAT EQUIPMENT & CEMENT TO SHOE AT 5,310'. DRILLED 10' OF NH 5,312 - 5,322'.
	7:00	8:30	1.50	DRLINT1	33		Р	5,322.0	C&C MUD. PERFORMED F.I.T. TO 12.5 EMW.
	8:30	6:00	21.50	DRLINT1	08		Р	5,322.0	DRILLED 5,322 - 6,550'.
1/27/2013	6:00	6:30	0.50	DRLINT1	12		Р	6,550.0	SERVICED RIG & TDU.
	6:30	6:00	23.50	DRLINT1	08		Р	6,550.0	DRILLED 6,550'-7,700'.
1/28/2013	6:00	9:30	3.50	DRLINT1	08		Р	7,700.0	DRILLED 7,700'-7,855'.
	9:30	10:00	0.50	DRLINT1	12		Р	7,855.0	SERVICED RIG AND TDU.
	10:00	18:30	8.50	DRLINT1	08		Р	7,855.0	DRILLED 7,855'-8,226'.
	18:30	19:30	1.00	DRLINT1	57		N	8,226.0	TROUBLESHOT MWD TOOL SURFACE EQUIPMENT. DOWN LINKED MWD.
	19:30	6:00	10.50	DRLINT1	08		Р	8,226.0	DRILLED 8,226'-8,700'.
1/29/2013	6:00	13:00	7.00	DRLINT1	08		Р	8,700.0	DRILLED, 8,700'-9,158'.
	13:00	13:30	0.50	DRLINT1	12		Р	9,158.0	SERVICED RIG AND TDU.
	13:30	6:00	16.50	DRLINT1	08		Р	9,158.0	DRILLED, 9,158'-9,800'.
1/30/2013	6:00	12:30	6.50	DRLINT1	08		Р	9,800.0	DRILLED, 9,800'-9,997'.
	12:30	13:00	0.50	DRLINT1	08		Р	9,997.0	SERVICED RIG AND TDU.
	13:00	6:00	17.00	DRLINT1	08		Р	9,997.0	DRILLED, 9,997'-10,400'.
1/31/2013	6:00	12:00	6.00	DRLINT1	07		Р		DRILLING FROM 10,400' TO 10,478'
	12:00	13:00	1.00	DRLINT1	71		P		DOWN LINK MWD AND TROUBLE SHOOT.
	13:00	16:30	3.50	DRLINT1	07		P	•	DRILLING FROM 10,478' TO 10,518'
	16:30	17:00	0.50	DRLINT1	45		N		WORK ON MUD PUMPS
	17:00	23:30	6.50	DRLINT1	07		Р		DRILLING FROM 10,518' TO 10,585'.
	23:30	0:30	1.00	DRLINT1	15		Р	· · · · · · · · · · · · · · · · · · ·	C&C MUD.
0/4/0040	0:30	6:00	5.50	DRLINT1	13		Р		WIPER TRIP TO CASING SHOE.
2/1/2013	6:00	6:30	0.50	DRLINT1	13		Р	•	SHORT TRIP TO CASING SHOE.
	6:30	7:00	0.50	DRLINT1	12		Р	· · · · · · · · · · · · · · · · · · ·	RIG SERVICE.
	7:00	9:00	2.00	DRLINT1	13		Р		TRIP IN HOLE. WASH BRIDGES AT 7767'AND 8580'.
	9:00	10:00	1.00	DRLINT1	16 50		P P		WASH AND REAM FROM 8580' TO 8619'. HARD REAMING.
	10:00	12:00	2.00	DRLINT1	50		r	10,585.0	CIRCULATE OUT GAS THROUGH CHOKE. RAISE MUD WEIGHT TO 11.4 PPG.

CENTRAL DIVISION

Date	Т	ime	Duratio	Phase	Activit	Sub	ОР	MD From	Operation
24.0		rt-End	n	1 11000	y		Code	(ft)	Spotano.
	0.0		(hr)		,		Jour	(11)	
	12:00	14:00	2.00	DRLINT1	16		Р	10,585.0	WASH AND REAM FROM 8602' TO 8619'. HARD REAMING.
									REAMED OUT SEVERAL TIMES, TORQUEING, STICKY.
	14:00	16:00	2.00	DRLINT1	52		Р	10,585.0	LOST FULL RETURNS AT 8602'. WORK PIPE AND MIX LCM.
	16:00	17:00	1.00	DRLINT1	16		Р	10,585.0	WASH AND REAM FROM 8602' TO 8619'.
	17:00	3:00	10.00	DRLINT1	13		Р	10,585.0	MIX SLUG. TRIP OUT OF HOLE AND LAY DOWN DIRECTIONAL
									TOOLS.
	3:00	6:00	3.00	DRLINT1	13		Р	10,585.0	MU 8 3/4" RR TRI-CONE BIT #3, BIT SUB, AND TIH TO CASING
									SHOE. FILLING PIPE EVERY 2000'.
2/2/2013	6:00	7:30	1.50	DRLINT1	13		Р	10,585.0	TRIP IN HOLE FILLING DP EVERY 2000'
	7:30	9:00	1.50	DRLINT1	17		Р	10,585.0	SLIP AND CUT DRILLING LINE
	9:00	10:30	1.50	DRLINT1	13		Р	10,585.0	TRIP IN HOLE TO 8286'.
	10:30	14:30	4.00	DRLINT1	16		Р	10,585.0	WASH AND REAM FROM 8286' TO 8780'. HARD REAMING.
	14:30	15:00	0.50	DRLINT1	13		Р	10,585.0	TRIP IN HOLE FROM 8780' TO 9221'
	15:00	17:00	2.00	DRLINT1	13		Р	10,585.0	TRIP IN HOLE, WASH AND REAM TIGHT SPOTS (9501, 9605,
									9672,9750, AND 10,511)
	17:00	20:00	3.00	DRLINT1	15		Р	10,585.0	CIRCULATE FOR LOGS.
	20:00	4:00	8.00	DRLINT1	13		Р	10,585.0	POOH TO LOG.
	4:00	6:00	2.00	EVLINT1	22		Р	10,585.0	SM. RU & LOG WELL WITH HALLIBURTON LOGGING. RUN
									QUAD COMBO.
2/3/2013	6:00	10:00	4.00	EVLINT1	22		Р	10,585.0	LOG WITH HALLIBURTON. LOGGER'S TD 10,585'.
	10:00	10:30	0.50	EVLINT1	42		Р	10,585.0	PULL WEAR BUSHING
	10:30	12:30	2.00	EVLINT1	13		Р	10,585.0	MAKE UP BIT AND TRIP IN HOLE WITH BHA.
	12:30	13:00	0.50	EVLINT1	12		Р	10.585.0	RIG SERVICE, FILL BHA
	13:00	18:00	5.00	EVLINT1	13		Р		TRIP IN HOLE TO LAY DOWN DRILL PIPE. FILLING DP EVERY
								,	2000'.
	18:00	20:30	2.50	EVLINT1	15		Р	10,585.0	C&C MUD.
	20:30	6:00	9.50	EVLINT1	14		Р	10,585.0	LAY DOWN DRILL STRING.
2/4/2013	6:00	9:00	3.00	CASINT1	14		Р	10,585.0	LAY DOWN 4-1/2" DP AND BHA.
	9:00	12:00	3.00	CASINT1	24		Р	10,585.0	RIG UP CASING CREW
	12:00	6:00	18.00	CASINT1	24		Р	10,585.0	PJSM. RUN FLOAT SHOE, 1 JOINT OF 7" 29# PER FOOT P-110
									LTC CASING, FLOAT COLLAR, 34 JOINTS OF CASING, MARKER
									JOINT, 201 JOINTS OF CASING, PUP JOINT, AND MANDREL.
									TOTAL LENGTH 10,561.53. LANDED WITH LANDING JOINT AND
									SETTING TOOL. (22.01'). FILL PIPE AND BREAK CIRCULATION
									EVERY 2,000'. CIRCULATE BOTTOMS UP AT CASING SHOE.
2/5/2013	6:00	9:00	3.00	CASINT1	15		Р	10,585.0	WORK PIPE AND CIRCULATE CASING VOLUME PRIOR TO
									CEMENTING. PARTIAL RETURNS.
	9:00	11:00	2.00	CASINT1	24		Р	10,585.0	LAY DOWN TAG JOINT, PICK UP LANDING JOINT AND LAND
									CASING. RIG DOWN FILL TOOL AND CASING CREW.
	11:00	13:00	2.00	CASINT1	25		Р	10,585.0	
									LINES 5,000 PSI. CEMENT WITH 20 BBLS. OF FRESH WATER,
									189 BBLS (460 SKS.)12.0 PPG LEAD (YIELD 2.31, WATER 13.04
									GALLONS PER SACK), 37.4 BBLS (110 SKS) 12.5 PPG TAIL
									(YIELD 1.91,WATER 10.41 GALLONS PER SACK. SHUT DOWN,
									WASH LINES, DROP PLUG. DISPLACED WITH 391 BBLS. OF 11.2 PPG. DRILLING MUD. PLUG BUMPED. PRESSURE PRIOR TO BUMP
									350 PSI, PRESSURED TO 850 PSI. FLOATS HELD. FLOWED
									BACK 1 BBL.
	13:00	16:00	3.00	CASINT1	42		Р	10,585.0	
								-,	MUD PITS.
	16:00	18:00	2.00	CASINT1	27		Р	10,585.0	

Date	T	ime	Duratio	Phase	Activit	Sub	OP	MD From	Operation
	Sta	rt-End	n (hr)		у		Code	(ft)	
	19:00	0:00	5.00	CASINT1	30		Р	10,585.0	RIG UP B&C QUICKTEST. TEST BLIND RAMS, PIPE RAMS, HCR, KILL LINE VALVES MANUAL VALVES, 250 LOW. 10,000 HIGH. TEST ANNULAR 250 LOW. 4,000 HIGH. TEST ALL SURFACE EQUIPMENT 250 LOW. 10,000 HIGH. TEST CHOKE LINE 250 LOW. 10,000 HIGH. TEST KELLY HOSE BACK TO PUMPS 250 LOW. 4000 HIGH.
	0:00	1:00	1.00	CASINT1	31		Р	10,585.0	TEST 7" CASING TO 2,500 PSI FOR 30 MIN. RD TESTER.
	1:00	2:00	1.00	CASINT1	42		Р	10,585.0	DRESS FLOOR WITH 4" HANDLING TOOLS. MEASURE & CALIPER BHA.
	2:00	6:00	4.00	CASINT1	14		Р	10,585.0	PICK UP DIRECTIONAL TOOLS AND TEST. MU BIT AND TIH. PU 16 - 4 3/4" DC. PU 4" XT-39 DP.
2/6/2013	6:00	19:00	13.00	CASINT1	14		Р	10,585.0	PICK UP 4" XT-39 DRILL PIPE
	19:00	20:30	1.50	CASINT1	17		Р	10,585.0	CUT DRILL LINE.
	20:30	21:00	0.50	CASINT1	12		Р	10,585.0	RIG SERVICE.
	21:00	21:30	0.50	CASINT1	32		Р	10,585.0	DRILL FLOAT EQUIPMENT AND CEMENT.
	21:30	22:00	0.50	DRLPRD	07		Р	10,585.0	DRILL FROM 10,585 - 10,595'.
	22:00	22:30	0.50	DRLPRD	33		Р	10,595.0	FIT TO 15.4 EQUIVALENT. (GOOD TEST).
	22:30	6:00	7.50	DRLPRD	07		Р	10,595.0	DRILL FROM 10,595' - 10,850'.
2/7/2013	6:00	14:00	8.00	DRLPRD	07		Р	10,850.0	DRILLING FROM 10,850' TO 11,216
	14:00	14:30	0.50	DRLPRD	12		Р	11,216.0	RIG SERVICE
	14:30	6:00	15.50	DRLPRD	07		Р	11,216.0	DRILLING FROM 11,216' TO 11,720'. STARTED LOSING MUD AT 11,682'.
2/8/2013	6:00	8:00	2.00	DRLPRD	07		Р	11,720.0	DRILLING FROM 11,720' TO 11,812'
	8:00	10:30	2.50	DRLPRD	50		Р	11,812.0	ON CHOKE CIRCULATING OUT GAS, RAISE MUD WEIGHT TO 12.2 PPG
	10:30	15:30	5.00	DRLPRD	07		Р	11,812.0	DRILLING FROM 11,812' TO 12,073'
	15:30	16:00	0.50	DRLPRD	12		Р	12,073.0	RIG SERVICE
	16:00	18:00	2.00	DRLPRD	07		Р	12,073.0	DRILLING FROM 12,073 TO 12,167'.
	18:00	18:30	0.50	DRLPRD	43		N	12,167.0	CHANGE OUT EXTEND RAM ON TDS.
	18:30	6:00	11.50	DRLPRD	07		Р	12,167.0	DRILLING FROM 12,167' - 12,739'.
2/9/2013	6:00	9:30	3.50	DRLPRD	07		Р	12,739.0	DRILLING FROM 12,739' TO 12,930'.
	9:30	10:00	0.50	DRLPRD	12		Р	12,930.0	RIG SERVICE
	10:00	11:30	1.50	DRLPRD	07		Р	12,930.0	DRILLING FROM 12930' TO 13,000'
	11:30	14:00	2.50	DRLPRD	15		Р	13,000.0	WORK PIPE, CIRCULATE AND CONDITION MUD.RAISE MUD WEIGHT TO 12.9 PPG
	14:00	18:30	4.50	DRLPRD	13		Р	13,000.0	SHORT TRIP TO CASING SHOE
	18:30	22:00	3.50	DRLPRD	15		Р	13,000.0	C&C MUD. BUILD MUD WT TO 13.1 PPG.
	22:00	6:00	8.00	DRLPRD	13		Р	13,000.0	SLUG. POOH TO LOG.
2/10/2013	6:00	10:00	4.00	DRLPRD	13		Р	13,000.0	TRIP OUT OF HOLE FOR WIRELINE LOGS.LAY DOWN DIRECTIONAL TOOLS.
	10:00	14:30	4.50	EVLPRD	22		Р		PJSM WITH HALLIBURTON. RU LOGGERS AND LOG WELL. LOGGER'S TD 13008'. RIG DOWN LOGGERS.
	14:30	21:00	6.50	CASPRD1	24		Р	13,000.0	RIG UP AND RUN FLOAT COLLAR, 1 JOINT OF 4-1/2" 13.50 PPF P-110 LTC CASING, FLOAT COLLAR, 1 JOINT OF CASING, LANDING COLLAR, AND 61 JOINTS OF 4 1/2" PRODUCTION CASING. RIG DOWN CASING CREW.
	21:00	4:30	7.50	CASPRD1	13		Р	13,000.0	INSTALL ROTATING HEAD RUBBER AND TIH WITH 4 1/2" LINER FILLING PIPE EVERY 10 STANDS. BREAKING CIRCULATION EVERY 20 STANDS. CIRCULATE BOTTOMS UP AT CASING SHOE.
	4:30	6:00	1.50	CASPRD1	15		Р	13,000.0	CIRCULATE BOTTOMS UP AT CASING SHOE.
2/11/2013	6:00	9:30	3.50	CASPRD1	13		Р	13,000.0	TRIP IN HOLE WITH LINER, FILLING DP EVERY 10 STANDS.
	9:30	11:30	2.00	CASPRD1	15		Р	13,000.0	CIRCULATE BOTTOMS UP FOR CEMENT JOB. TOP OF LINER AT 10,329.35.

CENTRAL DIVISION

Date		ime rt-End	Duratio n	Phase	Activit y	Sub	OP Code	MD From (ft)	Operation
			(hr)						
	11:30	13:00	1.50	CASPRD1	42		Р	13,000.0	LAY DOWN TAG JOINT, RIG UP CEMENT HEAD, RIG UP
									HALLIBURTON.
	13:00	15:00	2.00	CASPRD1	25		Р	13,000.0	PJSM WITH HALLIBURTON CEMENTING, HALLIBURTON TOOLS, AND RIG CREW. PRESSURE TEST CEMENT LINES TO 9500 PSI. CEMENT WITH 20 BBLS. 12.8 PPG TUNED SPACER, 227 SKS 14.6, YIELD 1.38, CEMENT. DISPLACE WITH 38 BBL CLA-WEB WATER AND 112 BBL DRILLING MUD. FULL RETURNS WHILE
	15:00	19:00	4.00	CASPRD1	25		P	13,000.0	CEMENTING. TOC @ 10,316'. PLACE SETTING TOOL IN TENSION, PRESSURE TO 5200 PSI, RUPTURE DISC. DROP BALL AND CIRCULATE TO SETTING TOOL. SLOWED RATE TO 1 BBL. PER MINUTE AND EXPANDED PACKER AT 5600 PSI. PULL TESTED HANGER TO 80,000 OVER STRING WEIGHT (260,000#) OK.SLACKED OFF 50,000 AND SHEARED OFF OF HANGER. CIRCULATED 1-1/2 TIMES BOTTOMS UP. CIRCULATED 5 BBLS. OF GOOD CEMENT TO SURFACE. PRESSURE TEST LINER TOP 1,000 PSI FOR 10 MINUTES. OK. DISPLACED HOLE WITH CLA-WEB.
	19:00	6:00	11.00	CASPRD1	14		Р	13,000.0	
2/12/2013	6:00	13:00	7.00	CASPRD1	14		Р	13,000.0	LAY DOWN 3-1/2" DRILL PIPE. RUN DP IN DERRICK AND LDDP.LAY DOWN 4-3/4" DRILL COLLARS. CLEAN PITS, RIG DOWN FLARE LINES
	13:00	22:00	9.00	CASPRD1	29		Р	13,000.0	NIPPLE DOWN 10K BOPE AND SET OUT.
	22:00	23:30	1.50	CASPRD1	27		Р	13,000.0	NU TUBING HEAD & FRAC-STACK. (RIG RELEACED AT 23:30 HRS 02/11/2013).
	23:30	6:00	6.50	RDMO	02		Р	13,000.0	RIG DOWN TOP DRIVE AND RIG.
2/13/2013	6:00	18:00	12.00	RDMO	02		Р	13,000.0	RIG DOWN PREPARE TO MOVE TO THE HEWETT 2-6C4. 100% RIGGED DOWN 10% MOVED.
	18:00	6:00	12.00	RDMO	02		Р	13,000.0	RIG IDLE.

CENTRAL DIVISION

1 General

Customer Information 1.1

Company	CENTRAL DIVISION
Representative	
Address	

1.2 **Well Information**

Well	LAKE FORK RANCH 4-26B4		
Project	ALTAMONT FIELD	Site	LAKE FORK RANCH 4-26B4
Rig Name/No.		Event	COMPLETION LAND
Start Date	2/18/2013	End Date	
Spud Date/Time	1/16/2013	UWI	LAKE FORK RANCH 4-26B4
Active Datum	KB @6,354.0ft (above Mean Sea Level)		
Afe	152766/44770 / LAKE FORK RANCH 4-26B4	1	
No./Description			

2 Summary

2.1 **Operation Summary**

Date		Time irt-End	Duratio n (hr)	Phase	Activit	Sub	OP Code	MD From (ft)	Operation
2/22/2013	10:00	10:15	0.25	SITEPRE	28		Р		HSM WRITE AND REVIEW JSA TOPIC; MOVING IN EQUIPMENT
	10:15	13:00	2.75	SITEPRE	18		Р		SPOT IN FRAC TANK SPOT IN FLOW BACK TANKS LEVEL AND BRING IN GRAVEL AROUND WELL HEAD
	13:00	17:30	4.50	SITEPRE	18		Р		CHANGE VALVE ON WELL TO FACE LOCATION ENTRANCE N/D FRAC VALVE N/U 10K BOPE AND TEST & CHART OK
	17:30	19:00	1.50	MIRU	01		Р		MIRU SPOT CAT WALK SET PIPE RACK AND 2 3/8" TBG SDFN
2/23/2013	6:00	7:00	1.00	PRDHEQ	28		Р		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; PICKING UP TUBING
	7:00	18:00	11.00	PRDHEQ	39		Р		P/U C/O ASSEMBLY TIH PICKING UP TUBING W 91JTS OF 2 3/8" TBG XO 2 3/8" X 2 7/8" CONTINUE W 314 JTS OF 2 7/8" TBG TAG AT 12893' L/D 2 JTS EOT 12834' SECURE WELL R/U PMP AND LINES SDFN
2/24/2013	6:00	7:00	1.00	PRDHEQ	28		Р		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIGGING UP POWER SWIVEL
	7:00	10:30	3.50	PRDHEQ	39		Р		R/U POWER SWIVEL ESTABLISH CIRC C/O TO LANDING COLLAR 12931' TMD CIRC WELL CLEAN w HOT 2% KCL WTR R/D POWER SWIVEL
	10:30	16:30	6.00	PRDHEQ	39		Р		TOH L/D TBG 316 JTS OF 2 7/8" TBG 91 JTS OF 2 3/8" TBG L/D C/O ASSEMBLY SECURE WELL SDFN TO WINDY TO RIG DOWN
2/25/2013									NO ACTIVITY DOWN FOR WEEKEND
2/26/2013	6:00	7:00	1.00	PRDHEQ	28		Р		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIGGING DOWN RIGGING UP WIRELINE
	7:00	8:30	1.50	RDMO	02		Р		RDMO ROAD RIG TO 2-25B4 START SETTING UP POSEIDON TANK
	8:30	15:00	6.50	MIRU	01		Р		MIRU WIRELINE TOH w LOGGING TOOL TAG PBTD 12896' WLMD LOG WELL FROM 12896' TO 8000' CMT TOP 8600' TOH R/D WIRELINE SECURE WELL
	15:00	17:30	2.50	MIRU	01		Р		FINISH SET UP POSEIDON TANK START FILLING
2/27/2013	6:00	22:00	16.00	SITEPRE	28		Р		HSM WRITE AND REVIEW JSA TOPIC; TRUCK TRAFFICFILL POSEIDON TANK
2/28/2013	6:00	7:00	1.00	SITEPRE	28		Р		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; PRESSURE TESTING

Date		Гіте	Duratio	Phase	Activit	Sub	ОР	MD From	Operation
	Sta	art-End	n (hr)		у		Code	(ft)	
	7:00	12:00	5.00	SITEPRE	18		Р		MIRU TESTING EQUIPMENT R/U HOT OIL TRUCK FILL THAW CSG VALVE FILL WELL w 3 BBLS OF 2% KCL WTR PRESSURE TEST AND CHART CSG TO 9000 PSI FOR 30 MIN w 9 5/8" CSG OPEN TEST GOOD BLEED OFF PRESSURE R/D TESTER
	12:00	14:00	2.00	SITEPRE	18		Р		R/U FLOW BACK LINE
3/1/2013	6:00	7:00	1.00	PRDHEQ	28		Р		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; WORKING w BACKHOE
	7:00	11:30	4.50	SITEPRE	18		Р		UNLOAD BACKHOE BUILED BERM AROUND ACID TANKS
3/2/2013	6:00	7:00	1.00	STG01	28		Р		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; WORKING WITH WIRELINE
	7:00	13:30	6.50	STG01	21		Р		MIRU WIRELINE RIG UP HOT OIL TRUCK TEST LUBRICATOR TIH W PERFORATE STG 1 12870'-12595' TOH R/D WIRELINE SECURE WELL ENDING PRESSURE 100 PSI
3/3/2013	6:00	7:00	1.00	PRDHEQ	28		Р		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; HEATING WATER
	7:00	18:00	11.00	STG01	18		Р		MIRU HOT OIL TRUCKS START HEATING POSEIDON TANK
3/4/2013	6:00	7:00	1.00	SITEPRE	28		Р		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; OVER HEAD LOADS
	7:00	12:00	5.00	SITEPRE	18		Р		PREPARE LOCATION FOR FRAC
	12:00	17:00	5.00	SITEPRE	01		Р		MIRU ISOLATION TOOL START LOADING SANDMASTERS
3/5/2013	6:00	7:00	1.00	STG01	28		Р		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; PRESSURE
	7:00	9:00	2.00	STG01	18		Р		WAIT ON WEATHERFORD EQUIPMENT OFF LOAD ACID IN ACID TANKS
	9:00	18:00	9.00	STG01	18		Р		MIRU FRAC EQUIPMENT
3/6/2013	6:00	7:00	1.00	STG01	28		Р		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; PRESSURE
	7:00	9:00	2.00	STG01	35		Р		STAGE 1; PRESSURE TEST LINES TO 9438 PSI. OPEN WELL. SICP 227 PSI. BREAK DOWN STAGE 1 PERFORATIONS 12870' TO 12595' AT 6614 PSI, PUMPING 10 BPM. TREAT W/ 5000 GAL 15% HCL ACID FLUSHING TO BOTTOM PERF PLUS 10 BBLS. ISDP 5504 PSI. F.G865 MINUTE 5382 PSI. 10 MINUTE 5348 PSI. 15 MINUTE 5336 PSI. TREATED STAGE 1 AS PER PROCEDURE PAD 100M SPACER 1# POWERPROP 2# POWERPROP 3# POWERPROP 3.5# POWERPROP 4# POWERPROP STG FLUSH TO TOP PERFISDP 5710 PSI. AVG RATE 64 BPM. AVG PSI 6874 PSI. MAX PSI 8018 PSI. TTL POWERPROP 133440 TURN OVER TO WIRELINE
	9:00	10:30	1.50	STG02	21		Р		STAGE 2; SET COMPOSITE FRAC PLUG AT 12560' PRESSURE ON WELL 5100 PSI PERFORATE STAGE 2 PERFORATIONS 12545' TO 12189', 23 NET FEET 69 TTL SHOTS W/ 2-3/4" 3 JSPF, 120 DEG PHASING GUNS CORRELATED TO LONE WOLF WIRELINE CBL-GR-CCL RUN #1 25-FEB-13 END PRESSURE 5100 PSI
	10:30	12:30	2.00	STG02	35		Р		STAGE 2; PRESSURE TEST LINES TO 9341 PSI. OPEN WELL. SICP 5265 PSI. BREAK DOWN STAGE 2 PERFORATIONS 12545' TO 12189' AT 8212 PSI, PUMPING 10 BPM. TREAT W/ 5000 GAL 15% HCL ACID FLUSHING TO BOTTOM PERF PLUS 10 BBLS. ISDP 5370 PSI. F.G875 MINUTE 5288 PSI. 10 MINUTE 5265 PSI. 15 MINUTE 5252 PSI. TREATED STAGE 2 AS PER PROCEDURE PAD 100M SPACER 1# POWERPROP 2# POWERPROP 3# POWERPROP 3.5# POWERPROP 4# POWERPROP STG FLUSH TO TOP PERFISDP 5490 PSI. AVG RATE 68 BPM. AVG PSI 6388 PSI. MAX PSI 8212 PSI. TTL POWERPROP 136100 TURN OVER TO WIRELINE

CENTRAL DIVISION

Date	Т	ime -	Duratio	Phase	Activit	Sub	ОР	MD From	Operation
	Sta	rt-End	n (hr)		у		Code	(ft)	
	12:30	14:30	2.00	STG03	21		Р		STAGE 3; SET COMPOSITE FRAC PLUG AT 12175' PRESSURE ON WELL 5100 PSI PERFORATE STAGE 3 PERFORATIONS 12167' TO 11883', 21 NET FEET 63 TTL SHOTS W/ 2-3/4" 3 JSPF, 120 DEG PHASING GUNS CORRELATED TO LONE WOLF WIRELINE CBL-GR-CCL RUN #1 25-FEB-13 END PRESSURE 5000 PSI
	14:30	15:30	1.00	STG03	35		Р		STAGE 3; PRESSURE TEST LINES TO 9195 PSI. OPEN WELL. SICP 4431 PSI. BREAK DOWN STAGE 3 PERFORATIONS 12167' TO 11883' AT 8425 PSI, PUMPING 10 BPM. TREAT W/ 5000 GAL 15% HCL ACID FLUSHING TO BOTTOM PERF PLUS 10 BBLS. ISDP 5396 PSI. F.G885 MINUTE 5302 PSI. 10 MINUTE 5262 PSI. 15 MINUTE 5232 PSI. TREATED STAGE 3 AS PER PROCEDURE PAD 100M SPACER 1# POWERPROP 2# POWERPROP 3# POWERPROP 3.5# POWERPROP 4# POWERPROP STG FLUSH TO TOP PERFISDP 5461 PSI. AVG RATE 69 BPM. AVG PSI 6506 PSI. MAX PSI 8425 PSI. TTL POWERPROP 143360 TURN OVER TO WIRELINE
	15:30	17:00	1.50	STG04	21		Р		STAGE 4; SET COMPOSITE FRAC PLUG AT 11870' PRESSURE ON WELL 4900 PSI PERFORATE STAGE 4 PERFORATIONS 11855' TO 11597', 23 NET FEET 69 TTL SHOTS W/ 2-3/4" 3 JSPF, 120 DEG PHASING GUNS CORRELATED TO LONE WOLF WIRELINE CBL-GR-CCL RUN #1 25-FEB-13 END PRESSURE 4800 PSI
	17:00	18:30	1.50	STG04	35		Р		STAGE 4; PRESSURE TEST LINES TO 9497 PSI. OPEN WELL. SICP 4869 PSI. BREAK DOWN STAGE 4 PERFORATIONS 11855' TO 11597' AT 5067 PSI, PUMPING 5 BPM. TREAT W/ 5000 GAL 15% HCL ACID FLUSHING TO BOTTOM PERF PLUS 10 BBLS. ISDP 4836 PSI. F.G845 MINUTE 4672 PSI. 10 MINUTE 4583 PSI. TREATED STAGE 4 AS PER PROCEDURE PAD 100M SPACER 1# POWERPROP 2# POWERPROP 3# POWERPROP 3.5# POWERPROP 4# POWERPROP STG FLUSH TO TOP PERFISDP 5432 PSI. AVG RATE 70 BPM. AVG PSI 6148 PSI. MAX PSI 7477 PSI. TTL POWERPROP 151040 TURN OVER TO WIRELINE
	18:30	21:30	3.00	STG05	21		Р		STAGE 5; SET COMPOSITE FRAC PLUG AT 11870' PRESSURE ON WELL 5200 PSI PERFORATE STAGE 5 PERFORATIONS 11571' TO 11300', 22 NET FEET 66 TTL SHOTS W/ 2-3/4" 3 JSPF, 120 DEG PHASING GUNS CORRELATED TO LONE WOLF WIRELINE CBL-GR-CCL RUN #1 25-FEB-13 END PRESSURE 5100 PSI TOH w L/D GUNS SECURE WELL SDFN
3/7/2013	6:00	7:00	1.00	STG05	28		Р		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; PRESSURE
	7:00	9:00	2.00	STG05	35		P		STAGE 5; PRESSURE TEST LINES TO 9537 PSI. OPEN WELL. SICP 3770 PSI. BREAK DOWN STAGE 5 PERFORATIONS 11571' TO 11300' AT 5064 PSI, PUMPING 10 BPM. TREAT W/ 5000 GAL 15% HCL ACID FLUSHING TO BOTTOM PERF PLUS 10 BBLS. ISDP 5064 PSI. F.G845 MINUTE 4425 PSI. 10 MINUTE 4193 PSI. 15 MINUTE 3996 PSI. TREATED STAGE 5 AS PER PROCEDURE PAD 100M SPACER 1# POWERPROP 2# POWERPROP 3# POWERPROP 3.5# POWERPROP 4# POWERPROP STG FLUSH TO TOP PERFISDP 5353 PSI. AVG RATE 70 BPM. AVG PSI 5952 PSI. MAX PSI 7938 PSI. TTL POWERPROP 152600 TURN OVER TO WIRELINE

Date	Time Start-En		Phase	Activit y	Sub	OP Code	MD From (ft)	Operation
	9:00 10:	(hr)	STG06	21		P		STAGE 6; SET COMPOSITE FRAC PLUG AT 11870' PRESSURE ON WELL 5100 PSI PERFORATE STAGE 6 PERFORATIONS 11571' TO 11300', 22 NET FEET 66 TTL SHOTS W/ 2-3/4" 3 JSPF, 120 DEG PHASING GUNS CORRELATED TO LONE WOLF WIRELINE CBL-GR-CCL RUN #1 25-FEB-13 END PRESSURE 4900
	10:30 12:	:00 1.50	STG06	35		P		PSI STAGE 6; PRESSURE TEST LINES TO 9632 PSI. OPEN WELL. SICP 4712 PSI. BREAK DOWN STAGE 6 PERFORATIONS 11284' TO 11077' AT 5553 PSI, PUMPING 10 BPM. TREAT W/ 5000 GAL 15% HCL ACID FLUSHING TO BOTTOM PERF PLUS 10 BBLS. ISDP 4973 PSI. F.G885 MINUTE 4649 PSI. 10 MINUTE 4483 PSI. 15 MINUTE 4346 PSI. TREATED STAGE 6 AS PER PROCEDURE PAD 100M SPACER 1# POWERPROP 2# POWERPROP 3# POWERPROP 3.5# POWERPROP 4# POWERPROP STG FLUSH TO TOP PERFISDP 5451 PSI. AVG RATE 69 BPM. AVG PSI 6058 PSI. MAX PSI 7275 PSI. TTL POWERPROP 138060 TURN OVER TO WIRELINE
	12:00 13:	:30 1.50	STG07	21		Р		STAGE 7; SET COMPOSITE FRAC PLUG AT 11065' PRESSURE ON WELL 5300 PSI PERFORATE STAGE 7 PERFORATIONS 11054' TO 10851', 23 NET FEET 69 TTL SHOTS W/ 2-3/4" 3 JSPF, 120 DEG PHASING GUNS CORRELATED TO LONE WOLF WIRELINE CBL-GR-CCL RUN #1 25-FEB-13 END PRESSURE 5100 PSI
	13:30 15:	1.50	STG07	35		P		STAGE 7; PRESSURE TEST LINES TO 9213 PSI. OPEN WELL. SICP 4950 PSI. BREAK DOWN STAGE 7 PERFORATIONS 11054' TO 10851' AT 5231 PSI, PUMPING 10 BPM. TREAT W/ 5000 GAL 15% HCL ACID FLUSHING TO BOTTOM PERF PLUS 10 BBLS. ISDP 4715 PSI. F.G865 MINUTE 4550 PSI. 10 MINUTE 4514 PSI. 15 MINUTE 4500 PSI. TREATED STAGE 7 AS PER PROCEDURE PAD 100M SPACER 1# POWERPROP 2# POWERPROP 3# POWERPROP 3.5# POWERPROP 4# POWERPROP STG FLUSH TO TOP PERFISDP 5435 PSI. AVG RATE 69 BPM. AVG PSI 5652 PSI. MAX PSI 7115 PSI. TTL POWERPROP 132721 TURN OVER TO WIRELINE
	15:00 16:	:30 1.50	STG08	21		Р		STAGE 8; SET COMPOSITE FRAC PLUG AT 10840' PRESSURE ON WELL 5200 PSI PERFORATE STAGE 8 PERFORATIONS 10823' TO 10600', 23 NET FEET 69 TTL SHOTS W/ 2-3/4" 3 JSPF, 120 DEG PHASING GUNS CORRELATED TO LONE WOLF WIRELINE CBL-GR-CCL RUN #1 25-FEB-13 END PRESSURE 4200 PSI
	16:30 18:	2.00	STG08	35		Р		STAGE 8; PRESSURE TEST LINES TO 9292 PSI. OPEN WELL. SICP 4288 PSI. BREAK DOWN STAGE 8 PERFORATIONS 10823' TO 10600' AT 4640 PSI, PUMPING 10 BPM. TREAT W/ 5000 GAL 15% HCL ACID FLUSHING TO BOTTOM PERF PLUS 10 BBLS. ISDP 4715 PSI. F.G865 MINUTE 4550 PSI. 10 MINUTE 4514 PSI. 15 MINUTE 4500 PSI. TREATED STAGE 8 AS PER PROCEDURE PAD 100M SPACER 1# POWERPROP 2# POWERPROP 3# POWERPROP 3.5# SHORT ON SAND STRAPS BY ABOUT 20K STG FLUSH TO TOP PERFISDP 4651PSI. AVG RATE 72 BPM. AVG PSI 5212 PSI. MAX PSI 6417 PSI. TTL POWERPROP 135020 SECURE WELL SDFN
3/8/2013		00 1.00	RDMO	28		P P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIGGING DOWN RDMO FRAC EQUIPMENT R/D ISOTATION TOOL PREPARE
3/9/2013		30 3.50	СТИ	28		P		LOCATION FOR COIL UNIT CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; PRESSUREMIRU HOT OIL TRUCK START HEATING WTR

CENTRAL DIVISION

Date		ime rt-End	Duratio n	Phase	Activit y			Operation
	9:30	14:00	(hr) 4.50	CTU	17		P	MIRU COIL UNIT MAKE UP C/O ASSEMBLY TEST COIL AND
	9.50	14.00	4.50	010	.,		F	FLOW BACK LINE TEST GOOD
	14:00	23:00	9.00	CTU	39		Р	OPEN WELL 3200 PSI TIH w COIL TBG DRILL OUT 7 PLUGS C/O
								TO PBTD AT 12922' CTMD CIRC WELL CLEAN
	23:00	3:00	4.00	CTU	39		P	TOH w COIL TBG RDMO COIL TBG OPEN WELL 3000 PSI ON
	0.00	0.00	0.00	FD	47		Б	12/64 CHOCK TURN WELL OVER TO PRODUCTION
	3:00	6:00	3.00	FB	17		Р	FLOW BACK WELL 0 OIL 97 WTR 0 GAS 0N A 12/64 CHOCK 3200 PSI
3/10/2013	6:00	6:00	23.00	FB	17		Р	WELL FLOWING 97 BBLS OIL 700 BBLS OF WTR 42 MCFD GAS ON A 12/64 CHOCK 3000 PSI
3/11/2013	6:00	6:00	24.00	FB	17		Р	WELL FLOWING 474 BBLS OIL 377 BBLS OF WTR 553 MCFD GAS ON A 12/64 CHOCK 2800 PSI
3/12/2013	6:00	7:00	1.00	INSTUB	28		Р	CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA
								TOPIC; WORKING WITH WIRELINE
	7:00	10:00	3.00	WLWORK	17		Р	MIRU WIRELINE TIH w 3.700 GAUGE RING TO 10515' TOH w L/D GAUGE RING
	10:00	13:00	3.00	WLWORK	17		Р	TIH w 4 1/2" RETRIEVABLE PKR SET AT 10380' TOH R/D WIRELINE
	13:00	16:00	3.00	MIRU	28		Р	CHANGE OF SCOPE HSM REVIEW JSA TOPIC; RIGGING UP MOVE IN RIGRIG GOT STUCK IN MUD PULL RIG OUT BRING IN GRAVEL REPARE LOCATION
	16:00	18:30	2.50	MIRU	01		Р	MIRU SECURE WELL SDFN
3/13/2013	6:00	7:00	1.00	INSTUB	28		Р	CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA
								TOPIC; TRIPPING TBG
	7:00	15:00	8.00	INSTUB	39		Р	P/U ON/OFF TOOL 5 JTS OF 2 3/8" TBG 2 3/8" X 2 7/8" XO 321 JTS OF 2 7/8" TBG SPACE OUT PKR w 4' 8' X 2 7/8 TUBING SUB BURIED 1 JTS
	15:00	17:30	2.50	INSTUB	06		Р	R/U PUMP AND LINE CIRC WELL w 380 BBLS OF 2% KCL w PKR FLUID
	17:30	19:30	2.00	INSTUB	16		Р	N/D BOPE NU WELL PLUM WELL HEAD TO FACILITIES R/U HOT OIL TRUCK TEST ANNULUS TO 1000 PSI R/U ON TBG PUMP OUT PLUG 3600 PSI OPEN WELL TO FACILITES 2400 PSI ON A 12/64 CHOCK TURN WELL OVER TO PRODUCTION
	19:30	6:00	10.50	FB	17		Р	WELL FLOWING 222 BBLS OIL 164 BBLS OF WTR 64 MCFD GAS ON A 12/64 CHOCK 2800 PSI
3/14/2013	6:00	6:00	24.00	FB	17		Р	WELL FLOWING 593 BBLS OIL 371 BBLS OF WTR 659 MCFD GAS ON A 14/64 CHOCK 2400 PSI
3/15/2013	6:00	6:00	24.00	FB	17		Р	WELL FLOWING 578 BBLS OIL 288 BBLS OF WTR 576 MCFD GAS ON A 12/64 CHOCK 2300 PSI
3/16/2013	6:00	6:00	24.00	FB	17		Р	WELL FLOWING 544 BBLS OIL 288 BBLS OF WTR 470 MCFD GAS ON A 12/64 CHOCK 2200 PSI
3/17/2013	6:00	6:00	24.00	FB	17		Р	WELL FLOWING 371 BBLS OIL 270 BBLS OF WTR 442 MCFD GAS ON A 12/64 CHOCK 2100 PSI
3/18/2013	6:00	6:00	24.00	FB	17		Р	WELL FLOWING 420 BBLS OIL 356 BBLS OF WTR 472 MCFD GAS ON A 14/64 CHOCK 1800 PSI
3/19/2013	6:00	6:00	24.00	FB	17		Р	WELL FLOWING 369 BBLS OIL 389 BBLS OF WTR 443 MCFD GAS ON A 14/64 CHOCK 1650 PSI
3/20/2013	6:00	6:00	24.00	FB	17		Р	WELL FLOWING 262 BBLS OIL 286 BBLS OF WTR 335 MCFD GAS ON A 12/64 CHOCK 1700 PSI

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

CONFIDE	ALE DED REPORT FORM
	5. LEASE DESIGNATION AND SERIAL NUMBER

FORM 8

					,			,,,,,,,,,,,	•								LIVIAL INGINIDI	LIV.
WELI	COM	PLE1	rion (OR F	RECO	MPL	ETIO	N R	EPOR	TANE	LOG		6. IF	INDIAN, A	ALLOTTEE	OR TRI	BE NAME	
1a. TYPE OF WELL:		ŷ	VELL 🔽	Ç V	SAS C]	DRY [ОТН	ER			7. UN	NT or CA	AGREEM	ENT NAM	/E	
	HORIZ.] [EEP-	F	RE- NTRY]	DIFF. RESVR.[отн	ER					e and NUM ork Ra		4-26B4	
2. NAME OF OPERA EP Energy	E&P C	ompar	ıy, L .Р.											NUMBE	R: 50714			
3. ADDRESS OF OP			ary Ho t	ıntan			TV	77(າກາ		NUMBER:				POOL, OF	RWLDC	AT	
4. LOCATION OF W			JOY HUC	JSIOH		STATE	17	ZIP 770	JUZ	1 (/)	3) 997-	5038		Altamo				
AT SURFACE:			775 FE	ΞL									l l			i, rown	SHIP, RANGE	,
AT TOP PRODUC	CING INTERV	VAL REPO	RTED BEL	ow: 1	779' F	SL &	1775 F	EL					NV	VSE	26	2S	4W U	
AT TOTAL DEPT	н: 1779	'FSL	& 1775	FEL										uches	ne		13. STATE	JTAH
14. DATE SPUDDED 1/15/2013): 1	5. DATE 1 2/8/20	T.D. REACH 013	ŧED:	16. DATE	COMPL 2013	ETED:	,	ABANDON	≣D □	READY TO	PRODUC		17. ELEV	ATIONS (OF, RKE	, RT, GL):	
18. TOTAL DEPTH;	MD 13	,000	1	9. PLUG	BACK T.D	: MD	******		20. IF N	AULTIPLE CO	OMPLETION	S, HOW N	MANY?*		TH BRIDG JG SET:			
22. TYPE ELECTRIC			NICAL LOG	S RUN (S	Submit cop)			23.						TVI)	
Sonic, Gam	ma Ray,	, Resis	tivity &	Neuti	ron De	nsity	,			WAS WEL	L CORED? RUN? NAL SURVE	V2	NO [NO [NO [<u> </u>	'ES 'ES 'ES	(Sub	mit analysis)	
24. CASING AND LI	NER RECOR	RD (Report	all strings	set in we	eli)		······································			1		•	10 [23	(Sub)	mit copy)	
HOLE SIZE	SIZE/GR.	ADE	WEIGHT	(#/ft.)	TOP (I	MD)	вотто	M (MD)		EMENTER PTH	CEMENT NO. OF S		SLUR VOLUME		CEMEN	T TOP **	AMOUNT	PULLED
17.5	13.375	J55	54.	5	0		1,0	15	<u> </u>		Prem	1,200	1,3	80		0		
12.25	9:625	N80	40		0		5,3	307			G	1,115	2,9			0	 	
8.75	7"	P110	29		0		10,	586			G	570	1,2			90		
6.125	4.5	P110	13.	5	10,3	31	13,0	000			Prem	227	31			316		
								***************************************	<u> </u>								 	
																	+	
25. TUBING RECOR	SD.																	
SIZE		SET (MD)		ER SET (I	MD)	SIZE		DEPTH	SET (MD)	PACKE	R SET (MD)		SIZE	D	EPTH SET	T (MD)	PACKER S	ET (MD)
2.875	10,	,416	1	0,380														
26. PRODUCING IN										27. PERFO	RATION RE	CORD						
FORMATION	NAME		P (MD)		OM (MD)		(TVD)	ļ	M (TVD)		L (Top/Bot -			NO. HOL			RATION STA	rus
(A) Wasatch		10	,600	12,	870	10,	562	12,	831	12,595		870	.38	66	Оре	n 🔽	Squeezed	
(B)	····	 						<u> </u>		12,189		545	.38	69	Ope		Squeezed	
(C)										11,883		167	.38	63	Ope	n 🔽	Squeezed	
(D)		Ц		<u> </u>		- t-	<u> </u>			11,597		.855	.38	69		<u> </u>	Squeezed	
28. ACID, FRACTUI	***************************************	ENT, CEM	NENT SQUE	EZE, ET	c. See	al	tacn	ea i					natio	on o	n #2	7 &	#28.	
	INTERVAL									OUNT AND T								
12595-1287										# 20/40								······································
12189-1254										# 20/40								
11883-1216		. 377								# 20/40						·····		
29. ENCLOSED AT	IACHMENTS	s: All	r TOÖ	ıs a:	re s	uomi	tte	ı to	סמט	GM by	vend	or.				30. WEI	LL STATUS:	
ELECT	RICAL/MECH	HANICAL L	.ogs					GEOLOG	IC REPOR	т	DST REPOR	хт [_	DIREC	TIONAL S	URVEY		Desid	
SUNDF	RY NOTICE F	OR PLUG	GING AND	CEMENT	VERIFICA	TION		CORE AN	IALYSIS	Ø	OTHER: D	eviation	Report	Summa	ary		Prod	
															`			

(CONTINUED ON BACK)

(5/2000)

RECEIVED

31. INITIAL PRO					INT	ERVAL A (As show	wn in item #26)							
9/9/2013		3/8/20	013	.,,,		o: 2 4	TEST PRODUCTION RATES: →	N OIL-BBI 5 9	1	WATER - 659		PROD. METHOD: Tubing		
CHOKE SIZE: 14/64"	78G. PRESS. 2,400	CSG. PRE		OO.	1,450	GAS/OIL RATIO 626	24 HR PRODUCTION RATES: →	ON OIL - BBI		WATER -		INTERVAL STATUS: Producing		
	<u> </u>				INT	ERVAL B (As show	s shown in Item #26)							
DATE FIRST PR	ODUCED:	TEST DAT	TE:		HOURS TESTED):	TEST PRODUCTION RATES: →	N OIL-BBI	GAS - MCF:	WATER	BBL:	PROD. METHOD:		
CHOKE SIZE:	TBG. PRESS.	CSG. PRE	ESS. API GR.	AVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION PATES: →	ON OIL - BBI	L: GAS - MCF:	WATER -	BBL.	INTERVAL STATUS:		
					···	ERVAL C (As show	wn in item #26)							
DATE FIRST PR	ODUCED:	TEST DA	TE:		HOURS TESTER	D:	TEST PRODUCTIO RATES: →	N OIL-BBI	L: GAS - MCF:	WATER ~	BBL:	PROD. METHOD:		
CHOKE SIZE:	TBG. PRESS.	CSG. PRE	ESS. API GR.	AVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	ON OIL - BB	L: GAS - MCF:	WATER -	BBL:	INTERVAL STATUS:		
				***************************************	INT	ERVAL D (As show	wn in item #26)	L			······································			
DATE FIRST PR	ODUCED:	TEST DA	TE:		HOURS TESTED	D:	TEST PRODUCTION RATES: →	N OIL - BB	L: GAS - MCF:	WATER -	BBL:	PROD. METHOD:		
CHOKE SIZE:	TBG. PRESS.	CSG. PRE	ESS. API GR	AVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	ON OIL-BB	L: GAS MCF:	WATER -	BSL:	INTERVAL STATUS:		
32. DISPOSITIO	ON OF GAS (So	ld, Used for F	uel, Vented, Etc	.)				**************************************						
33. SUMMARY	OF POROUS Z	ONES (Include	e Aquifers):					34. FORMA	TION (Log) MARKERS	:				
Show all importatested, cushion u	int zones of porcused, time tool o	esity and conte pen, flowing ar	ents thereof: Core nd shut-in pressu	ed interva	als and all drill-stem recoveries.	n tests, including de	epth interval							
Formati	on	Top (MD)	Bottom (MD)		Descrip	otions, Contents, etc	> .		Name			Top (Measured Depth)		
									Green River			5,464		
									Green River			7,348		
								Lower (Wasato	Green River			8,676 10,443		
								wasaid	<i>1</i> 1			10,443		
	l							ļ						
	ļ													
]													
35. ADDITIONA	L REMARKS (nclude pluggi	ing procedure)					<u> </u>		······································	<u> </u>			
36. I hereby ce	rtify that the fo	regoing and a	ttached informa	ition is c	omplete and corr	ect as determined	from all available r	ecords.						
NAME (PLEAS	SE PRINT) M	aria S. G	omez				TITLE Pri	n Regula	atory Analyst					
SIGNATURE	The	<i>tha</i>	OK	RY)	e of			24/2013						

This report must be submitted within 30 days of

- completing or plugging a new well
- · drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
 significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests
- * ITEM 20: Show the number of completions if production is measured separately from two or more formations.
- ** ITEM 24: Cement Top Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to:

Utah Division of Oil, Gas and Mining

1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

Attachment to Well Completion Report

Form 8 Dated April 24, 2013

Well Name: Lake Fork Ranch 4-26B4

Items #27 and #28 Continued

27. Perforation Record

Interval (Top/Bottom – MD)	Size	No. of Holes	Perf. Status
11300'-11571'	.38	66	Open
11077'-11284'	.38	66	Open
10851'-11054'	.38	69	Open
10600'-10823'	.38	69	Open

28. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
11597'-11855'	5000 gal acid, 3500# 100 mesh, 147540# 20/40 Power Prop
11300'-11571'	5000 gal acid, 3000# 100 mesh, 149600# 20/40 Power Prop
11077'-11284'	5000 gal acid, 3000# 100 mesh, 135068# 20/40 Power Prop
10851'-11054'	5000 gal acid, 3000# 100 mesh, 137780# 20/40 Power Prop
10600'-10823'	5000 gal acid, 6780# 100 mesh, 128240# 20/40 Power Prop

CENTRAL DIVISION

ALTAMONT FIELD

LAKE FORK RANCH 4-26B4

LAKE FORK RANCH 4-26B4

LAKE FORK RANCH 4-26B4

Deviation Summary Report

Disclaimer: Although the information contained in this report is based on sound engineering practices, the copyright owner (s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the possession or use of the report whether in terms of correctness or otherwise. The application, therefore, by the user of this report or any part thereof, is solely at the user's own risk.

1 General

1.1 Customer Information

Company	CENTRAL DIVISION
Representative	
Address	

1.2 Well Information

Well	LAKE FORK RANCH 4-26B4	Wellbore No.	ОН
Wellbore Legal	LAKE FORK RANCH 4-26B4	Common	LAKE FORK RANCH 4-26B4
Name		Wellbore Name	1.5
Project	ALTAMONT FIELD	Site	LAKE FORK RANCH 4-26B4
Vertical Section		North Reference	True
Azimuth			
Origin N/S		Origin E/W	
Spud Date/Time	1/16/2013	UWI	LAKE FORK RANCH 4-26B4
Active Datum	KB @6,354.0ft (above Mean Sea Level)		

2 Survey Name

2.1 Survey Name: Survey #1

Survey Name	Survey #1	Company	El Paso
Started	1/16/2013	Ended	1/20/2013
Tool Name		Engineer	El Paso

2.1.1 Tie On Point

MD	inc	Azi	TVD	N/S	E/W
(ft)	(°)	(°)	(ft)	(ft)	(ft)
0.0	0.00	0.00	0.0	0.00	0.00

2.1.2 Survey Stations

Date	Type	MD	Inc	Azi	TVD	N/S	E/W	V. Sec	DLeg	Build	Turn	TFace
	4	(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)	(°)
1/16/2013	Tie On	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1/16/2013	NORMAL	2,003.0	1.24		2,002.8	21.67	0.00	21.67	0.06	0.06	0.00	0.00
1/17/2013	NORMAL	3,045.0	3.13	0.00	3,044.0	61.40	0.00	61.40	0.18	0.18	0.00	0.00
	NORMAL	3,308.0	3.24		3,306.6	76.01	0.00	76.01	0.04	0.04	0.00	0.00
1/18/2013	NORMAL	3,912.0	2.03		3,910.0	103.78	0.00	103.78	0.20	-0.20	0.00	180.00

2.2 Survey Name: Survey #2

Survey Name	Survey #2	Company	VAUGHN ENERGY SERVICES LLC (GYRO TECHNOLOGIES INC)
Started	1/21/2013	Ended	
Tool Name		Engineer	JAY

2.2.1 Tie On Point

	MD	Inc	Azi	TVD	N/S	E/W
	(ft)	(°)	(°)	(ft)	(ft)	(ft)
l	0.0	0.00	0.00	0.0	0.00	0.00

2.2.2 Survey Stations

Date	Туре	MD	Inc	Azi	TVD	N/S	E/W	V. Sec	DLeg	Build	Turn	TFace
		(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)	(°)
1/21/2013		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1/21/2013		200.0	0.14	92.64	200.0	-0.01	0.25	-0.01	0.07	0.07	0.00	92.64
	NORMAL	400.0	0.31	233.69	400.0	-0.34	0.06	-0.34	0.21	0.08	70.53	153.03
	NORMAL	600.0	0.33	255.11	600.0	-0.81	-0.93	-0.81	0.06	0.01	10.71	90.82
	NORMAL	800.0	0.17	6.70	800.0	-0.66	-1.45	-0.66	0.21	-0.08	55.79	158.21
	NORMAL	1,000.0	0.24	182.80	1,000.0	-0.79	-1.44	-0.79	0.20	0.04	88.05	177.71
	NORMAL	1,200.0	0.19	175.91	1,200.0	-1.53	-1.43	-1.53	0.03	-0.03	-3.44	-158.15
	NORMAL	1,400.0	0.54	106.49	1,400.0	-2.11	-0.52	-2.11	0.25	0.17	-34.71	-89.66
	NORMAL	1,600.0	0.78	119.56	1,600.0	-3.05	1.57	-3.05	0.14	0.12	6.54	37.95
	NORMAL	1,800.0	1.08	137.28	1,800.0	-5.11	4.03	-5.11	0.21	0.15	8.86	53.04
	NORMAL	2,000.0	1.14	140.71	1,999.9	-8.03	6.57	-8.03	0.04	0.03	1,71	52.51
	NORMAL	2,200.0	1.04	165.54	2,199.9	-11.31	8.27	-11.31	0.24	-0.05	12.42	114.24
	NORMAL	2,400.0	1.96	160.83	2,399.8	-16.29	9.85	-16.29	0.47	0.46	-2.36	-9.95
	NORMAL	2,600.0	2.37	177.97	2,599.7	-23.65	11.12	-23.65	0.38	0.20	8.57	66.45
	NORMAL	2,800.0	2.79	177.19	2,799.5	-32.64	11.50	-32.64	0.21	0.21	-0.39	-5.07
	NORMAL	3,000.0	2.97	186.01	2,999.2	-42.66	11.20	-42.66	0.24	0.09	4.41	72.55
	NORMAL	3,200.0	3.07	188.84	3,198.9	-53.10	9.83	-53.10	0.09	0.05	1.41	57.82
	NORMAL	3,400.0	3.21	195.23	3,398.6	-63.79	7.54	-63.79	0.19	0.07	3.19	70.84
	NORMAL	3,600.0	3.18	195.07	3,598.3	-74.55	4.63	-74.55	0.02	-0.02	-0.08	-166.17
	NORMAL	3,800.0	2.53	194.46	3,798.1	-84.17	2.08	-84.17	0.32	-0.32	-0.31	-177.61
	NORMAL	4,000.0	2.57	198.02	3,997.9	-92.72	-0.41	-92.72	0.08	0.02	1.78	76.62
	NORMAL	4,200.0	2.85	195.50	4,197.7	-101.77	-3.12	-101.77	0.15	0.14	-1.26	-24.95
	NORMAL	4,400.0	3.62	193.41	4,397.3	-112.68	-5.91	-112.68	0.39	0.38	-1.04	-9.70
	NORMAL	4,600.0	3.73	189.06	4,596.9	-125.24	-8.40	-125.24	0.15	0.06	-2.18	-69.97
	NORMAL	4,800.0	3.97	193.50	4,796.5	-138.39	-11.04	-138.39	0.19	0.12	2.22	53.43
	NORMAL	5,000.0	4.13	184.65	4,996.0	-152.30	-13.24	-152.30	0.32	0.08	-4.42	-80.25
	NORMAL	5,200.0	4.05	164.33	5,195.5	-166.27	-11.91	-166.27	0.72	-0.04	-10.16	-103.15
	NORMAL	5,304.0	3.89	176.72	5,299.2	-173.33	-10.72	-173.33	0.84	-0.15	11.91	106.77

2.3 Survey Name: Survey #3

Survey Name	Survey #3	Company	NABORS DRILLING USA INC (SONAT)
Started	1/25/2013	Ended	
Tool Name	ETOOL	Engineer	ANDREW BIEM

2.3.1 Tie On Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W
0.0	0.00	0.00	0.0	0.00	0.00

2.3.2 Survey Stations

Date	Туре	MD	Inc	Azi	TVD	N/S	E/W	V. Sec	DLeg	Build	Turn	TFace
		(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)	(°)
1/25/2013	Tie On	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1/25/2013	NORMAL	5,381.0	3.78	178.64	5,377.1	-177.39	4.21	-177.39	0.07	0.07	0.00	178.64
	NORMAL.	5,475.0	5.19	162.16	5,470.8	-184.53	5.59	-184.53	2.02	1.50	-17.53	-50.84
	NORMAL	5,568.0	5.89	158.86	5,563.4	-192.99	8.60	-192.99	0.83	0.75	-3.55	-26.12
	NORMAL	5,661.0	6.59	157.54	5,655.8	-202.37	12.36	-202.37	0.77	0.75	-1.42	-12.24
	NORMAL	5,754.0	5.89	159.26	5,748.3	-211.76	16.09	-211.76	0.78	-0.75	1.85	165.90
	NORMAL	5,847.0	5.19	155.83	5,840.9	-220.07	19.50	-220.07	0.83	-0.75	-3.69	-156.38
	NORMAL	5,940.0	5.41	157.37	5,933.5	-227.95	22.91	-227.95	0.28	0.24	1.66	33.65
	NORMAL	6,033.0	5.71	153.15	6,026.0	-236.12	26.68	-236.12	0.55	0.32	-4.54	-55.84
	NORMAL	6,127.0	6.42	151.44	6,119.5	-244.91	31.31	-244.91	0.78	0.76	-1.82	-15.13
	NORMAL	6,220.0	6.68	149.37	6,211.9	-254.13	36.55	-254.13	0.38	0.28	-2.23	-43.28

2.3.2 Survey Stations (Continued)

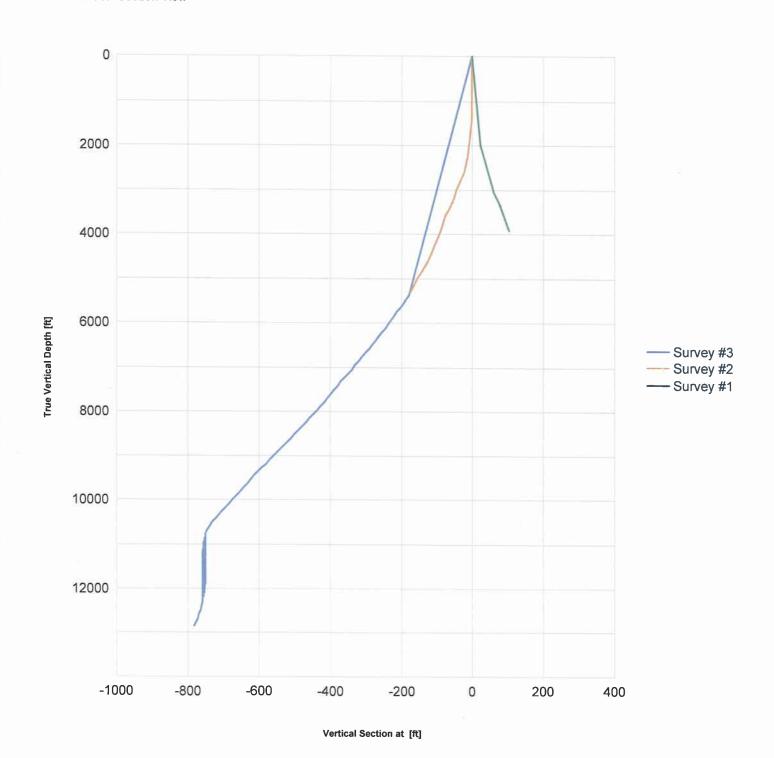
Date	Туре	MD (ft)	inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace
1/25/2013	NORMAL	6,313.0	6.42	151.26	6,304.3	-263.35	41.81	-263.35	0.36	-0.28	2.03	141.27
	NORMAL	6,406.0	5.89	151.04	6,396.7	-272.08	46.62	-272.08	0.57	-0.57	-0.24	-177.56
1/26/2013	NORMAL	6,499.0	5.89	155.96	6,489.2	-280.61	50.87	-280.61	0.54	0.00	5.29	92.45
	NORMAL	6,592.0	6.02	161.46	6,581.7	-289.59	54.37	-289.59	0.63	0.14	5.91	79.91
	NORMAL	6,686.0	6.99	161.15	6,675.1	-299.68	57.78	-299.68	1.03	1.03	-0.33	-2.23
	NORMAL	6,779.0	6.59	159.57	6,767.5	-310.04	61.47	-310.04	0.47	-0.43	-1.70	-155.75
	NORMAL	6,872.0	5.89	162.47	6,859.9	-319.59	64.77	-319.59	0.83	-0.75	3.12	157.19
	NORMAL	6,965.0	6.20	163.26	6,952.4	-328.95	67.66	-328.95	0.35	0.33	0.85	15.42
	NORMAL	7,058.0	6.28	158.55	7,044.9	-338.49	70.96	-338.49	0.56	0.09	-5.06	-83.46
	NORMAL	7,151.0	6.42	157.46	7,137.3	-348.03	74.82	-348.03	0.20	0.15	-1.17	-41.27
	NORMAL	7,244.0	6.90	159.83	7,229.7	-358.07	78.73	-358.07	0.59	0.52	2.55	30.98
	NORMAL	7,337.0	6.59	160.44	7,322.0	-368.35	82.45	-368.35	0.34	-0.33	0.66	167.29
7	NORMAL	7,430.0	5.89	158.55	7,414.5	-377.82	85.98	-377.82	0.78	-0.75	-2.03	-164.58
	NORMAL	7,524.0	6.59	157.85	7,507.9	-387.30	89.78	-387.30	0.75	0.74	-0.74	-6.55
1/27/2013	NORMAL	7,617.0	6.50	158.64	7,600.3	-397.15	93.71	-397.15	0.14	-0.10	0.85	135.38
	NORMAL	7,710.0	6.28	155.83	7,692.7	-406.69	97.71	-406.69	0.41	-0.10	-3.02	-126.52
	NORMAL	7,803.0	6.42	159.43	7,785.2	-416.20	101.62	-416.20	0.45	0.15	3.87	
	NORMAL	7,896.0	6.81	158.64	7,877.5	-426.20	105.45	-426.20	0.43	0.13		72.42
	NORMAL	7,989.0	7.60	153.94	7,969.8	-436.86	110.16	-426.26			-0.85	-13.53
	NORMAL	8,082.0	7.51	154.25	8,062.0	-447.86			1.06	0.85	-5.05	-39.08
	NORMAL	8,176.0	7.38	154.23			115.50	-447.86	0.11	-0.10	0.33	155.79
	NORMAL	8,269.0	7.38	153.94	8,155.2	-458.83	120.79	-458.83	0.14	-0.14	0.10	174.92
	NORMAL	8,362.0			8,247.5	-469.52	125.96	-469.52	0.11	-0.10	-0.43	-150.63
	NORMAL	8,455.0	6.68	154.95	8,339.8	-479.72	130.85	-479.72	0.67	-0.66	1.09	169.12
	NORMAL		6.42	158.33	8,432.2	-489.45	135.06	-489.45	0.50	-0.28	3.63	125.66
1/20/2012		8,548.0	6.90	162.86	8,524.5	-499.62	138.62	-499.62	0.76	0.52	4.87	49.85
1/28/2013		8,641.0	6.90	164.44	8,616.9	-510.34	141.77	-510.34	0.20	0.00	1.70	90.78
	NORMAL	8,735.0	7.51	167.56	8,710.1	-521.78	144.61	-521.78	0.77	0.65	3.32	34.23
	NORMAL	8,828.0	7.38	169.76	8,802.3	-533.59	146.98	-533.59	0.34	-0.14	2.37	115.60
	NORMAL	8,921.0	7.21	170.33	8,894.6	-545.22	149.02	-545.22	0.20	-0.18	0.61	157.22
	NORMAL	9,015.0	6.90	173.54	8,987.9	-556.65	150.65	-556.65	0.53	-0.33	3.41	129.76
	NORMAL	9,108.0	6.81	174.95	9,080.2	-567.69	151.76	-567.69	0.21	-0.10	1.52	118.84
	NORMAL	9,201.0	6.81	178.55	9,172.5	-578.70	152.38	-578.70	0.46	0.00	3.87	91.79
	NORMAL	9,295.0	7.12	180.13	9,265.9	-590.10	152.51	-590.10	0.39	0.33	1.68	32.50
	NORMAL	9,388.0	6.90	177.45	9,358.2	-601.44	152.75	-601.44	0.42	-0.24	-2.88	-125.25
	NORMAL	9,481.0	6.28	177.67	9,450.5	-612.10	153.20	-612.10	0.67	-0.67	0.24	177.78
	NORMAL	9,574.0	6.28	173.86	9,543.0	-622,24	153.95	-622.24	0.45	0.00	-4.10	-91.89
	NORMAL	9,667.0	6.42	171.56	9,635.4	-632.44	155.26	-632.44	0.00	0.00	0.00	0.00
1/29/2013	NORMAL	9,667.0	6.42	171.56	9,635.4	-632.44	155.26	-632.44	0.31	0.15	-2.47	-62.32
	NORMAL	9,761.0	6.42	169.06	9,728.8	-642.80	157.03	-642.80	0.30	0.00	-2.66	-91.24
	NORMAL	9,854.0	7.12	164.53	9,821.2	-653.46	159.55	-653.46	0.95	0.75	-4.87	-39.60
	NORMAL	9,947.0	7.21	161.06	9,913.5	-664.54	162.99	-664.54	0.48	0.10	-3.73	-79.98
	NORMAL	10,041.0	6.90	157.46	10,006.7	-675.33	167.06	-675.33	0.57	-0.33	-3.83	-126.81
	NORMAL	10,134.0	6.68	164.53	10,099.1	-685.70	170.65	-685.70	0.93	-0.24	7.60	108.24
	NORMAL	10,227.0	6.02	169.23	10,191.5	-695.71	173.00	-695.71	0.90	-0.71	5.05	144.10
	NORMAL	10,320.0	6.81	165.37	10,283.9	-705,83	175.31	-705.83	0.97	0.85	-4.15	-30.56
1/30/2013	NORMAL	10,414.0	7.21	171.25	10,377.2	-717.06	177.61	-717.06	0.87	0.43	6.26	63.80
	NORMAL	10,507.0	5.71	177.23	10,469.6	-727.45	178.72	-727.45	1.77	-1.61	6.43	158.79
	NORMAL	10,535.0	5.32	178.46	10,497.5	-730.14	178.83	-730.14	1.46	-1.39	4.39	163.75
2/5/2013	NORMAL	10,634.0	5.01	179.17	10,596.1	-739.05	179.01	-739.05	0.32	-0.31	0.72	168.70
	NORMAL	10,698.0	3.30	180.97	10,659.9	-743.68	179.02	-743.68	2.68	-2.67	2.81	176.54
2/6/2013	NORMAL	10,794.0	2.42	173.76	10,755.8	-748.46	179.19	-748.46	0.99	-0.92	-7.51	-161.34
	NORMAL	10,889.0	1.89	156.67	10,850.8	-751.89	180.03	-751.89	0.87	-0.56	-17.99	-137.84
	NORMAL	10,984.0	1.41	129.07	10,945.7	-754.07	181.56	-754.07	0.96	-0.51	-29.05	-134.43
	NORMAL	11,078.0	1.41	114.96	11,039.7	-755.28	183.51	-755.28	0.37	0.00	-15.01	-97.05
	NORMAL	11,173.0	1.32	89.74	11,134.7	-755.28	185.66	-755.26 -755.77	0.63	-0.09	-15.01	
	NORMAL	11,268.0	1.49	81.25	11,229.6	-755.58	187.98		0.03			-110.99
		, 200.0	1.79	31.23	11,223.0	-133.36	101.00	-755.58	0.28	0.18	-8.94	-55.06

2.3.2 Survey Stations (Continued)

Date	Туре	MD .	Inc	Azi	TVD	N/S	ĖW	V. Sec	DLeg	Build	Turn	TFace
		(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)	(°)
2/6/2013	NORMAL	11,363.0	1.41	50.76	11,324.6	-754.65	190.10	-754.65	0.81	-0.08	-32.09	-111.02
	NORMAL	11,459.0	1.41	23.16	11,420.6	-752.82	191.48	-752.82	0.70	0.00	-28.75	-103.80
	NORMAL	11,554.0	0.88	25.75	11,515.6	-751.09	192.26	-751.09	0.56	-0.56	2.73	175.72
	NORMAL	11,650.0	0.31	31.95	11,611.6	-750.20	192.72	-750.20	0.60	-0.59	6.46	176.65
2/7/2013	NORMAL	11,745.0	0.40	18.15	11,706.6	-749.67	192.96	-749.67	0.13	0.09	-14.53	-50.57
	NORMAL	11,935.0	0.48	180.57	11,896.6	-749.84	193.15	-749.84	0.46	0.04	85.48	170.40
	NORMAL	12,030.0	0.88	174.46	11,991.5	-750.96	193.22	-750.96	0.43	0.42	-6.43	-13.34
	NORMAL	12,124.0	1.19	172.75	12,085.5	-752.65	193.41	-752.65	0.33	0.33	-1.82	-6.55
	NORMAL	12,219.0	1.32	177.36	12,180.5	-754.72	193.59	-754.72	0.17	0.14	4.85	40.16
	NORMAL	12,314.0	1.71	173.76	12,275.5	-757.22	193.79	-757.22	0.42	0.41	-3.79	-15.52
	NORMAL	12,409.0	1.80	177.54	12,370.4	-760.12	194.01	-760.12	0.15	0.09	3.98	54.04
	NORMAL	12,504.0	1.89	176.97	12,465.4	-763.18	194.16	-763.18	0.10	0.09	-0.60	-11.81
	NORMAL	12,601.0	2.42	173.23	12,562.3	-766.81	194.48	-766.81	0.57	0.55	-3.86	-16.73
2/8/2013	NORMAL	12,696.0	2.68	175.87	12,657.2	-771.01	194.88	-771.01	0.30	0.27	2.78	25.63
	NORMAL	12,792.0	2.68	175.87	12,753.1	-775.49	195.20	-775.49	0.00	0.00	0.00	0.00
	NORMAL	12,887.0	2.99	173.36	12,848.0	-780.17	195.65	-780.17	0.35	0.33	-2.64	-23.08

3 Charts

3.1 Vertical Section View



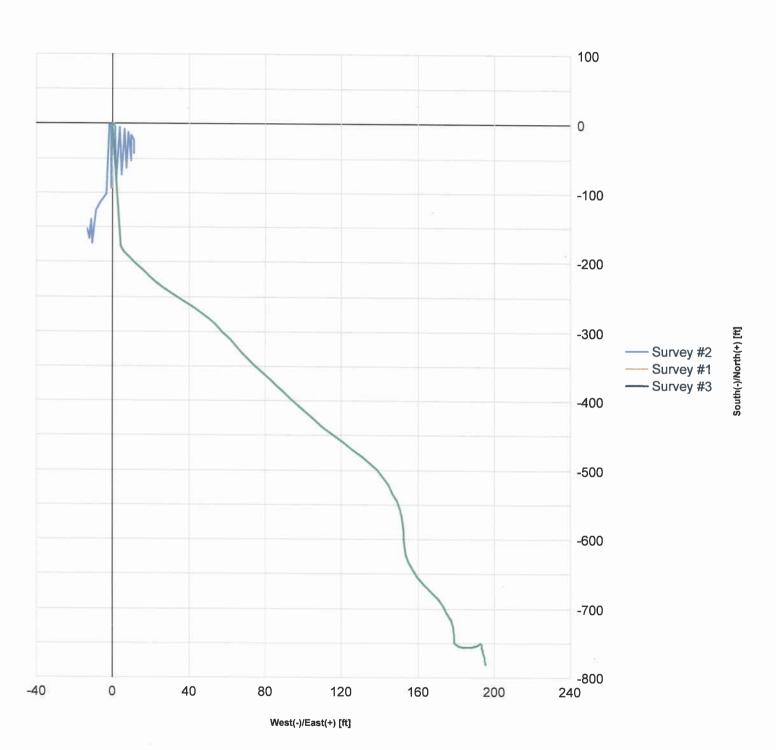


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								K	ECO	IVIP	_= 1	ION						_			
		г	NEPAR1	1-1-1-	OF NA			OURCES							ENDE ghlight		PORT	Ш	FO	RM	8
								MINING						5. LE				ND SE	RIAL NUMB	ER:	
WELL	CON	IPLET	ION (OR R	ECO	MPL	ETIC	ON RE	POR	TA	ND	LOC	 }	6, IF	INDIAN	, ALLO	TTEE O	R TRIE	BE NAME		
1a, TYPE OF WELL:		OIL	LL 🔽	G	AS C	1	DRY		ОТН	-R				7. U	NIT or C	A AGR	EEMEN	T NAM	E		-
		VVE		V	/ELL L	_		Ш	Omi					-							
WELL L.J	HORIZ.] DE	EP-	R	E- NTRY]	DIFF. RESVR	V	ОТНЕ	ER V	<mark>/asa</mark>	tch/L	GR		_ake	Fork	k Ran		3-14B4		
2. NAME OF OPERA EP Energy		ompany	/, L.P.												PI NUM 4301)97				
3. ADDRESS OF OP		CI	TY Hou	ıston		STATE	TX	ZIP 77 0	002			UMBER	-5038		ELD AN		DL, OR V	MLDCA	IT.		
4. LOCATION OF W			11100	3.011	-	SIAIL	173	211 11 0			(1.10	, 001						OWNS	HIP, RANGI	Ε,	_
AT SURFACE:	1321 F	SL & 12	46 FE	L											MERIDA ESE		1 28		4W U		
AT TOP PRODUC	CING INTER	VAL REPOR	TED BELO	ow: 13	321 F	SL & 1	1246 F	FEL						"	-02				***	,	
AT TOTAL DEPT	H: 1151	FSI &	1259	FFL											COUNT			1	3 STATE	UTA	
14. DATE SPUDDED		15. DATE T.			16. DATE	COMPI	ETED:								ouch			DVB	RT, GL):	017	VI I
11/12/2009		3/20/2		IEU.		1/2014		А	BANDON	ED 🗌	R	READY T	O PRODUC	E 🗸		6199		, KKD,	KT, GL).		
18. TOTAL DEPTH:	MD 13	3,500	19	PLUG I	BACK T.D	.: MD TVD			20. IF N	IULTI PI	LE CON	MPLETIC	NS, HOW	MANY? *		EPTH B PLUG S		MD			
22. TYPE ELECTRIC		0.000	ICAL LOG	S RUN (S	Submit cop)		_	23.								TVD		_	_
Quad Comb	0			,						WAS	WELL	CORED	?	NO		YES		(Subn	nit analysis)		
Quad Comb	o .										DST RI		/E) /O	NO		YES			nit report)		
24. CASING AND LI	NER RECO	RD (Report a	II strings	set in we	ın.					DIRE	CHONA	AL SUR\	EY?	NO	V	YES		(Subn	nit copy)	_	_
-		Ť							STAGE C	EMENT	TER .	CEMEN	T TYPE &	SLU	RRY	Τ.			T		_
HOLE SIZE	SIZE/GF	RADE	WEIGHT (#/ft.)	TOP (MD)	BOTTO	OM (MD)		PTH			SACKS	VOLUM		CE	MENT T	OP **	AMOUNT	PUL	LED
			Previo	usly																	
			Submi	tted							4					_					
											_					_					
	1			_							_					+		_	-		
											-					+			-		_
25. TUBING RECOR	D												_							_	_
SIZE		SET (MD)	PACKE	R SET (M	(D)	SIZE		DEPTH	SET (MD)	I PA	CKER	SET (MI	0)	SIZE	—т	DEPT	H SET (N	MD)	PACKER S	SET (MD)
2.875		,477		, , , , , , , , , , , , , , , , , , ,					()			(\neg			/	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,
26. PRODUCING IN	TERVALS							•		27. PE	RFOR	ATION F	ECORD								
FORMATION	NAME	TOP ((MD)	BOTTO	M (MD)	TOP	(TVD)	BOTTO	M (TVD)	INT	ERVAL	(Top/Bo	t - MD)	SIZE	NO. H	OLES	P	ERFOR	RATION STA	TUS	
(A) Wasatch		10,0	635	13,	500	10,	633	13,4	498	11,0)79	1	1,326	.4	6	9	Open	V	Squeezed		
(B) LGR		8,9	91	10,	635	8,9	989	10,	633	10,8	308	1	1,055	.4	6	9	Open	1	Squeezed		
(C)										10,5			0,794	.4	—	9	Open		Squeezed		
(D)										11,3	370	1	3,402	.35	1,3	304	Open	√	Squeezed		
28. ACID, FRACTUR	RE, TREATM	MENT, CEME	NT SQUE	EZE, ETC). 																
DEPTHI	NTERVAL								AM	OUNT A	AND TY	PE OF M	MATERIAL								
29. ENCLOSED AT	TACHMENT	s. All	100	g 21	7P 0	ııhm:	1++=	d to	IIDO	GM	hv	Ver	dor		_		12	ו אובי	L STATUS:	_	
LU. LINGLOGED AT	AUTHEN	o. Ext.T	109	5 61		abiii.		u LO	ODO	01.1	~ y	A CT	LUOI .				3	v. 14EL	E SIRIUS:		
ELECTI	RICAL/MEC	HANICAL LO	GS					GEOLOG	IC REPOR	T		ST REP	ORT [DIREC	CTIONA	L SURV	/EY		Prod	ı	

(CONTINUED ON BACK)

CORE ANALYSIS

OTHER:

SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION

31. INITIAL PRODUCTION		

INTERVAL A (As shown in item #26)

• 11 1111111111111	-	,			- TOTAL PARTY (PAGE GIAL)					
9/26/2014		10/3/20		HOURS TESTED	D: 24	TEST PRODUCTION RATES: →	OIL - BBL: 152	GAS - MCF: 275	WATER - BBL: 485	ESP Pump
CHOKE SIZE:	TBG. PRESS.	CSG PRESS		8,0	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF: 275	WATER - BBL: 485	INTERVAL STATU
				INT	TERVAL B (As show	wn in item #26)			-	
DATE FIRST PR	RODUCED:	TEST DATE:		HOURS TESTED		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG, PRESS,	CSG, PRES	S. API GRAVI	TY BTU-GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATU
	L			INT	TERVAL C (As sho	wn in item #26)				
DATE FIRST PR	RODUCED:	TEST DATE		HOURS TESTER		TEST PRODUCTION RATES: →	OIL – BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE: TBG, PRESS, CSG, PRESS, API GRAVIT			TY BTU-GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATE	
		-		INT	TERVAL D (As sho	wn in item #26)	_			
DATE FIRST PF	RODUCED:	TEST DATE	•	HOURS TESTER	D:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS - MCF:	WATER - BBL:	PROD, METHOD:
CHOKE SIZE: TBG, PRESS, CSG, PRESS, API GRAVITY BTU - GAS				TY BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATU
32. DISPOSITION	ON OF GAS (Solo	l, Used for Fue	I, Vented, Etc.)		•					
	OF POROUS ZO	NES (Include A	(quifers):			13	34. FORMATION	(Log) MARKERS:		
	ant zones of poros used, time tool op			ntervals and all drill-sten and recoveries	m tests, including de	epth interval				
Formati	ion	Top (MD)	Bottom (MD)	Descrip	ptions, Contents, etc	c.		Name		Top (Measured Depth)
							Upper Gre Middle Gre Lower Gre Wasatch	en River		5,716 6,625 8,991 10,635

35. ADDITIONAL REMARKS (Include plugging procedure)

Drilled out plugs and now producing from initial completion and recompletion earlier in year.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from a	Il available records
---	----------------------

NAME (PLEASE PRINT) Maria S. Gomez

TITLE Principal Regulatory Analyst

SIGNATURE

There & Doney

DATE 12/11/2014

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- · reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

Send to:

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

^{*} ITEM 20: Show the number of completions if production is measured separately from two or more formations.

^{**} ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

API Well Number: 43013507140000

CENTRAL DIVISION

ALTAMONT FIELD

LAKE FORK RANCH 3-14B4

LAKE FORK RANCH 3-14B4

RECOMPLETE LAND

Operation Summary Report

Disclaimer: Although the information contained in this report is based on sound engineering practices, the copyright owner (s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the possession or use of the report whether in terms of correctness or otherwise. The application, therefore, by the user of this report or any part thereof, is solely at the user's own risk.

API Well Number: 43013507140000

CENTRAL DIVISION

1 General

1.1 Customer Information

Company	CENTRAL DIVISION
Representative	
Address	

1.2 Well Information

Well	LAKE FORK RANCH 3-14B4									
Project	ALTAMONT FIELD	Site	LAKE FORK RANCH 3-14B4							
Rig Name/No.		Event	RECOMPLETE LAND							
Start date	1/21/2014	End date	9/27/2014							
Spud Date/Time	2/15/2010	2/15/2010 UWI 014-002-S 004-W 30								
Active datum	KB @6,231.0ft (above Mean Sea Level)									
Afe	162363/50537 / LAKE FORK RANCH 3-14B4	162363/50537 / LAKE FORK RANCH 3-14B4								
No./Description										

2 Summary

2.1 Operation Summary

Date		ime irt-End	Duratio n (hr)	Phase	Activit y	Sub	OP Code	MD from (ft)	Operation
1/23/2014	6:00	7:30	1.50	PRDHEQ	28		Р		CT TGSM & JSA (NU PROCEDURES)
	7:30	10:30	3.00	PRDHEQ	16		Р		SHUT DOWN PUMP, FLUSH TBG AND FLOWLINE. NU BOPE AND HYDRILL, RU WORK FLOOR AND TBG EQUIPMENT.
	10:30	18:00	7.50	PRDHEQ	39		Р		POOH W/ 1 JT PUP JTS, RU SPOOLERS & SHEAVES, POOH W/ 3/8" CAP AND CABLE W/ 302 JTS, DRAIN SUB, 2 JTS, PSN, 2 JTS, L/D PUMP ASSEMBLY AND SHIP TO GE IN CASPER, SWI SHUT DOWN FOR DAY
1/24/2014	6:00	7:30	1.50	WLWORK	28		Р		CT TGSM & JSA (WIRE LINE OPERATIONS)
	7:30	9:30	2.00	WLWORK	16		Р		ND BOPE AND HYDRILL, NU FRAC VALVE AND WIRE LINE FLANGE.
	9:30	16:00	6.50	WLWORK	26		P		RIH WITH JB AND GR GOT HUNG ON BANDS WORK FREE POOH HAD MULTIPLE BANDS ON GR. RIH AGAIN TO 11,400'. RIH SET CBP @ 11,365' FILL CASING W/ 367 BBLS. RIH PRESSURE UP CASING TO 2000 PSIG. SET 2ND CBP @ 11,360'. RIH DUMP BAIL 10' CEMENT ON TOP OF PLUG. SWI RD WIRE LINE. SHUT DOWN FOR DAY.
1/25/2014	6:00	7:30	1.50	WLWORK	28		Р		TGSM AND JSA (NU PROCEDURES)
	7:30	15:00	7.50	WLWORK	16		Р		NU AND TEST STACK TO 10K, TEST CASING TO 8K
	15:00	19:00	4.00	WLWORK	21		P		RIH W/ 2 CONSECUTIVE 2 3/4" HSC GUN RUNS LOADED 3 JSPF W/ 120 DEG PHASING W/ 15.1 CHARGES. PERFORATE 11326 TO 11079 HOLDING 1000 PSIG SURFACE PRESSURE. ENDING PRESSURE 100 PSIG. SWI RD WIRE LINE. RIG CREW SHUT DOWN FOR WEEK END
1/26/2014	6:00	7:30	1.50	MIRU	28		Р		MI W/ FLOW BACK CREW, TGSM & JSA (PROPER LIFTING TECHNICS)
	7:30	12:00	4.50	MIRU	01		Р		RIG FLOW BACK IRON FROM SURFACE CASING AND TREE, TO FLOW BACK TANKS.
1/27/2014	6:00	7:30	1.50	PRDHEQ	28		Р		TGSM & JSA (HEATING WATER)
	7:30	14:00	6.50	PRDHEQ	18		Р		HEAT WATER FOR FRAC, SPOT SAND MASTERS START HAULING SAND
1/28/2014	6:00	7:30	1.50	MIRU	28		Р		TGSM & JSA (OVER HEAD OPERATIONS)
	7:30	11:00	3.50	MIRU	01		Р		SPOT IN AND RIG UP BREAK DOWN
	11:00	16:00	5.00	STG01	35		N		WAIT ON PARTS REPAIR

RECEIVED: Dec. 11, 2014

Date		ime rt-End	Duratio n	Phase	Activit y	Sub	OP Code	MD from (ft)	Operation
	16:00	19:00	(hr) 3.00	STG01	35	PRESS URE	Р		PRESSURE TEST LINES AND EQUIPMENT, OPEN WELL ON VAC PUMP 106 BBLS CATCH PRESSURE, FINISH BREAK DOWN W/3 BBLS AT 10 BPM @ 4399. ISDP @ 3000, 5 MIN, 1302, 10 MIN @ 532 15 MIN 0. PETER RE DESIGN FRAC (PUMP ADDITIONAL 20 # 100 MESH) TREAT W/ 5000 GAL 15% HCL, 5000 # 100 MESH IN 1/2 PPG STAGE AND 75,280 30/50 IN 1/2, 1,2,3 PPG STAGES,
									ISDP @ 4420. AVE RATE 66 BPM @ 4831 PSIG, MAX RATE 78 BPM @ 7378 PSIG, FLUID LOSS FOR STAGE 2783. AVE HP @ 9131. PICKLE WELL HEAD SWI.
1/29/2014	6:00	6:30	0.50	WLWORK	28		Р		TGSM & JSA (WIRE LINE OPERATIONS)
	6:30	7:00	0.50	WLWORK	21		Р		PRESSURE TEST ON LUBE FAILED
	7:00	9:00	2.00	WLWORK	21		N		WAIT ON BOPE, REPLACE BOPE
	9:00	14:00	5.00	WLWORK	21		Р		CSIP @ VAC, RIH W/ PLUG SET @ 11,070. FILL W/ 260 BBLS, RIH SET 2ND PLUG W/ 2000 PSIG @ 11,065'. PRESSURE TEST TO 8K. PERFORATE STAGE 2 11055 TO 10808.
	14:00	16:30	2.50	STG02	35		P		PRESSURE TEST LINES AND EQUIPMENT, OPEN WELL ON VA FINISH BREAK DOWN W/ 30 BBLS AT 10 BPM @ 5103. ISDP @ 3158, 5 MIN, 1895, 10 MIN @ 1033 15 MIN 520. TREAT W/ 5000 GAL 15% HCL, 3940 # 100 MESH IN 1/2 PPG STAGE AND 75,660 30/50 IN 1/2, 1,2,3 PPG STAGES, ISDP @ 3005. AVE RATE 71 BPM @ 4155 PSIG, MAX RATE 77 BPM @ 6948 PSIG, FLUID LOSS FOR STAGE 2604. AVE HP @ 8788. PICKLE WELL HEAD TOT WIRE LINE.
	16:30	19:30	3.00	WLWORK	21		Р		SET CBP @ 10,802' PERFORATE 10794 TO 10542 SWI SHUT DOWN FOR DAY
1/30/2014	6:00	7:30	1.50	STG03	28		Р		CT TGSM & JSA (PUMPING ACID)
	7:30	8:30	1.00	STG03	18		Р		PRESSURE TEST AND THAW LINES NEEDED
	8:30	9:30	1.00	STG03	35		Р		BREAK AT 5025 @ 10 BPM ISDP @ 3440, TREAT W/ 7500 GAL 15% HCL, DROP BIO BALLS PUMP 7500 GAL 15% HCL FLUSH 10 OVER, AVE RATE 41 BPM @ 4952, MAX RATE 50 BPM MAX PRES 8000 PSIG, GOOD BALL ACTION. ISDP @ 2925 5 MIN VAC SWI
	9:30	14:30	5.00	RDMO	02		Р		RD WEATHERFORD, ND STACK, NU BOPE, RU WORK FOOR A TBG EQUIPMENT
	14:30	18:30	4.00	PRDHEQ	39		Р		RIH W/ 3 5/8" BIT, BIT SUB, CHECK 4' PUP, CHECK, 15 JTS 2 3// 3 1/8" BAILER, DRAIN SUB, 14 JRS, X/O TO 2 7/8", 288 JTS 2 7/8' 8RD EUE TBG SWI, CREW SHUT DOWN FOR DAY.
/31/2014	6:00	7:30	1.50	PRDHEQ	28		Р		CT TGSM & JSA (POWER SWIVEL OPERATIONS)
	7:30	17:30	10.00	PRDHEQ	40		Р		RIH TAG @ 10802' DRILL UP CBP, PUSH TO 11,035' FINISH DRILLING UP CBP, BAIL OUT SAND TO 11,062' DRILL UP PUSH ON TOP OF CBP @ 11,070' BAILER LOCKED UP. SWIVEL DOWI PULL ABOVE LINER TOP
2/1/2014	6:00	7:30	1.50	PRDHEQ	28		Р		CT TGSM & JSA (POOH W/ TGB)
	7:30	11:30	4.00	PRDHEQ	39		Р		POOH W/ 288 JTS, X/O 14 JTS 2 3/8", DRAIN SUB, BAILER, SAFETY, 15 JTS, CHECK, PUP JT, CHECK, BIT SUB, BIT (LOST CONES)
	11:30	17:00	5.50	PRDHEQ	39		Р		RIH W/ 3 5/8" SHOE, 6' EXT, TOP SUB, X/O, FLAPPER, PUP JT, FLAPPER, 15 JTS 2 3/8", SAFETY, 3 1/8" BAILER, DRAIN SUB, 14 JTS X/O, 294 JTS 2 7/8" 8RD EUE TBG. SWI SHUT DOWN FOR DAY
2/2/2014	6:00	7:30	1.50	PRDHEQ	28		Р		TGSM & JSA (RIH W/ TBG)
	7:30	19:00	11.50	PRDHEQ	39		Р		RIH TAG W/ JT# 313 4' OUT RU POWER SWIVEL W/ 8' PUP MAK 6' GOT STUCK ATTEMPT TO WORK FREE W/ NO SUCCESS (PUMPED 450 BBLS DID NOT CATCH ANY PRESSURE) SWI RELEASE(HAD 3' SAND ON TOP OF BIT REMAINS)
2/3/2014	6:00	7:30	1.50	PRDHEQ	28		Р		TGSM & JSA (MAKING BACK OFF)

Date		ime rt-End	Duratio n	Phase	Activit y	Sub	OP Code	MD from (ft)	Operation
	7,20	0.20	(hr)	DDDUEO	53		P		ATTEMPT TO WORK EDEE WILLIAM CHOOSES
	7:30 9:30	9:30	2.00 0.50	PRDHEQ PRDHEQ	52		P		ATTEMPT TO WORK FREE W/ NO SUCCESS BACK OFF SAFETY JT
	10:00	13:00	3.00	PRDHEQ	52		P		
	10.00	13.00	3.00	FINDITEQ	32		F		POOH W/ 313 JTS 2 7/8" X/O, 14 JTS 2 3/8", DRAIN SUB, BAILER, 1/2 OF SAFETY JT
	13:00	17:30	4.50	PRDHEQ	52		Р		RIH W/ 1/2 OF SAFETY JT, 3 JTS 2 3/8", X/O, X/O, 4 3/4"
									BUMPER SUB, 4 3/4" JARS, 4 4 3/4" DCS, INTENSIFIER, X/O, 4'
									PUP JT, 318 JTS TBG, FLUSH TBG W/ 70 BBLS
	17:30	19:00	1.50	PRDHEQ	52		Р		PU 2 JTS TAG 15' OUT SCREW INTO SAFETY JT, ATTEMPT TO
									JAR FREE W/ NO SUCCESS, SWI SHUT DOWN FOR DAY. 120
									BBLS WTR LOSS.
2/4/2014	6:00	7:30	1.50	WOR	28		P		CT TGSM & JSA (JARRING PROCEDURES)I
	7:30	9:30	2.00	WOR	53		P		JAR ON FISH NO MOVEMENT
	9:30	13:30	4.00	WOR	53		Ρ		WHILE JARRING ON FISH, MIX 20 BBL HSC PILL, PUMP 827 BBLS (MIXING 5 GAL HSC PER 130 BBLS) BEG BUILDING PRESSURE
									PUMP ADDITIONAL 50 BBLS INJECTING 3.5 BPM @ 350 PSIG.
	13:30	18:00	4.50	WOR	53		Р		CONTINUE JARRING NO MOVEMENT SWI CREW SHUT DOWN
	10100								FOR DAY
2/5/2014	6:00	7:30	1.50	WLWORK	28		Р		CT TGSM & JSA (WIRE LINE OPERATIONS)
	7:30	11:00	3.50	WLWORK	53		Р		RIH SET UP FREE POINT TOOLS @ 10,600'. CIH TAG @ 11,006' (
									FREE POINT @ 10,999 100% FREE) POOH. RIH W/ CHEMICAL
									CUTTER, LOG THROUGH 2 3/8" TAG @ 11,006' PU 9' AND OK
									CUT W/ TROY ANDERTON. MAKE CUT. (CUT BTM JT ABOVE
	44.00	45.00	4.50	DDDUEO	00				SHOE ASSEMBLY) POOH RD WIRE LINE UNIT.
	11:00	15:30	4.50	PRDHEQ	39		Р		L/D SUBS POOH W/ 319 JTS 2 7/8", X/O, 3 JTS 2 3/8", SAFETY
	15:30	18:30	3.00	PRDHEQ	39		Р		JT, 14 JTS 2 3/8", 16.6' OF CUT JT (15.75' LEFT) PUMU & RIH W/ 3 5/8" OVER SHOT DRESSED W/ 2 3/8" SPIRAL
	13.30	10.50	3.00	TRUTTE			'		GPL, BUMPER SUB, JARS, X/O, 2 3 1/8" DCS, X/O, INTENSIFIER,
									INTENSIFIER, X/O, 14 JTS 2 3/8", X/O, 205 JTS 2 7/8" 8RD EUE
									TBG, SWI, EOT @ 6995'. CREW SHUT DOWN FOR DAY.
2/6/2014	6:00	7:30	1.50	PRDHEQ	28		Р		CT TGSM & JSA (RIH W/ TBG)
	7:30	9:00	1.50	PRDHEQ	39		Р		CIH W/ 120 JTS 2 7/8" 8RD EUE TBG, PU 8' PUP TAG FISH TOP @
									11,000' EN GAUGE FISH
	9:00	10:30	1.50	PRDHEQ	14		Р		STRING WIEGHT 65K SET JARS @ 80K PU GPL SLIPPED OFF,
							_		ATTEMPT TO LATCH ON AND JAR W/ SAME RESULTS
	10:30	14:30	4.00	PRDHEQ	39		Р		POOH W/ 325 JTS 2 7/8", X/O, 14 JTS 2 3/8", L/S 3 1/8"
	14:30	17:30	3.00	PRDHEQ	39		Р		ASSEMBLY, LOST GPL OUT OF OVER SHOT.
	14.30	17.30	3.00	FRUITEQ	39		F		MU AND RIH W/ 3 1/8" OVER SHOT W/ EXTENSION, DRESSED W/ 2 3/8" BASKET GPL, BUMPER SUB, JARS, 2 DCS, INT,INT, X/O,
									14 JTS 2 3/8", X/O, 305 JTS 2 7/8" 8RD EUE TBG. EOT @ 11,360'
									SWI CREW SHUT DOWN FOR DAY.
2/7/2014	6:00	7:30	1.50	PRDHEQ	28		Р		CT TGSM & JSA (RIH W/ TBG)
	7:30	10:30	3.00	PRDHEQ	52		Р		CIH W/ 20 JTS PU 8' PUP JT, LATCH ON FISH JAR FOR 2 HRS,
									PULLED FREE. NO DRAG.
	10:30	15:00	4.50	PRDHEQ	39		Р		L/D SUB, POOH W/ 325 JTS, X/O 14 JTS 2 3/8", L/D FISHING
									ASSEMBLY, RECOVERED 6", GPL WAS BROKEN . SWI CREW
010100::	0.00	7.00	4.50	MOD	20				SHUT DOWN FOR DAY.
2/8/2014	6:00	7:30	1.50	WOR	28		N		CT TGSM & JSA (PU WASH OVER PIPE)
	7:30	19:00	11.50	WOR	52		N		RIH W/ 3 5/8" SHOE, 1 JT 3 1/2" WASH OVER PIPE, X/O, BUMPER
									SUB, JARS, X/O, 18 JTS 2 3/8", X/O 305 JTS, RU PUMP LINES, CIH W/ 21 JTS, RUU POWER SWIVEL, TAG FLAPPER @ 11,014'
									WASH OVER, DROP 4' TAG 2ND FLAPPER @ 11,019' WASH
									OVER 1 1/2', PU CIRCULATE CLEAN. PULL ABOVE LINER TOP.
									SWI CREW SHUT DOWN FOR DAY.
2/9/2014	6:00	7:30	1.50	WOR	28		Р		CT TGSM & JSA (POWER SWIVEL OPERATIONS)

Date	1	Time	Duratio	Phase	Activit	Sub	OP	MD from	Operation
		rt-End	n (hr)		у		Code	(ft)	· ·
	7:30	16:30	9.00	WOR	52		Р		RIH, RU POWER SWIVEL, TAG @ 11020 BREAK CIRCULATION W/ 385, GOOD CIRCULATION W/ 450 BBLS, CUT 1.5' (X/O ABOVE TOP SUB IS WASHED OVER) NOT MAKING HOLE PU CIRCULATE CLEAN.
	16:30	18:00	1.50	WOR	39		Р		SWIVEL DOWN PULL ABOVE LINER TOP, SWI, SHUT DOWN FOR WEEK END.
2/10/2014	6:00	6:30	0.50	PRDHEQ	18		Р		SHUT DOWN FOR WEEK END
2/11/2014	6:00	7:30	1.50	PRDHEQ	28		Р		CT TGSM & JSA (POOH W/ TBG)
	7:30	11:00	3.50	PRDHEQ	39		Р		POOH W/ 300 JTS 2 7/8" X/O 28 JTS 2 3/8" L/D BHA RETIRE SHOE.
	11:00	15:00	4.00	PRDHEQ	39		Р		PUMU AND RIH W/ 3 5/8" SHOE, 2 JTS 3 1/2" WASH PIPE, TOP SUB, BUMPER SUB, JARS, X/O 26 JTS 2 3/8", X/O, 293 JTS 2 7/8" 8RD EUE TBG. SWI SHUT DOWN FOR DAY.
2/12/2014	6:00	7:30	1.50	WOR	28		Р		CT TGSM & JSA (POWER SWIVEL)
	7:30	19:00	11.50	WOR	06		Р		RIH TAG W/ 12 OUT JT# 314 @ 11,014 (TOP FLAPPER) BREAK CIRCULATION W/ 550 BBLS CONTINUE WASHING OVER TO 11,020'. LOST CIRCULATION (CASING BUILDING PRESSURE) PU 20' KICK OUT PUMPS TBG WENT ON A VACUUM, RIH TAG @ 11,028' CONITUE MILLING MADE 3" CIRC CLEAN PULL ABOVE LINER.
2/13/2014	6:00	7:30	1.50	WOR	28		Р		CT TGSM & JSA (PUMP OPERATIONS)
	7:30	10:30	3.00	WOR	40		Р		RIH TAG @ 11,028 BREAK CIRCULATION W/ 360 BBLS, WASH OVER ADDITIONAL 6", FISH DROPPED 23' RETAG AT 11,061, WEDGED FISH IN WASH OVER PIPE
	10:30	15:00	4.50	WOR	39		Р		POOH W/ 315 JTS 2 7/8" X/O, 26 JTS 2 3/8" L/D WASH OVER ASSEMBLY. RECOVERED PARTIAL JT 2 3/8", FLAPPER, PUP JT, FLAPPER, X/O, TOP SUB.
	15:00	18:00	3.00	WOR	39		Р		PUMU AND RIH W/ 2 15/16" MILL, BIT SUB, 30 JTS 2 3/8", X/O, 292 JTS 2 7/8" 8RD EUE TBG. EOT @ 10352' SWI CREW SHUT DOWN FOR DAY.
2/14/2014	6:00	7:30	1.50	WOR	28		Р		TGSM & JSA (RIH W/ TBG)
	7:30	14:00	6.50	WOR	06		Р		CIH W/ 23 JTS TAG 22' OUT JT # 315 TAG @ 11,061' RU SWIVEL BREAK CIRCULATION W/ 315 BBLS, CLEAN OUT TO 11,068' STOPPED MAKING HOLE, CIRCULATE CLEAN.
	14:00	18:00	4.00	WOR	39		Р		RD SWIVEL POOH W/ 315 JTS 2 7/8" X/O 30 JTS 2 3/8", BIT SUB 2 15/16" MILL SWI CREW SHUT DOWN FOR DAY.
2/15/2014	6:00	7:30	1.50	WOR	28		Р		CT TGSM & JSA (PU W/ BHA USE TAG LINES)
	7:30	11:30	4.00	WOR	39		Р		RIH W/ 3" SPEAR ASSEMBLY, 20 2 3/8", X/O 315 JTS SPEAR SHOE @ 11,068'
	11:30	16:00	4.50	WOR	39		Р		POOH W/ TBG AND FISHING ASSEMBLY, LAY DOWN SHOE EXTENSION AND SHOE.
	16:00	18:00	2.00	WOR	39		Р		RIH W/ 3 5/8" MILL, BIT SUB, 30 JTS 2 3/8", X/O 252 JTS 2 7/8" 8RD EUE TBG. EOT @ 9,050'. SWI, CREW SHUT DOWN FOR DAY.
2/16/2014	6:00	7:30	1.50	WOR	28		Р		CT TGSM & JSA (MILLING OUT PLUGS)
	7:30	13:30	6.00	WOR	06		Р		RIH W/ 63 JTS 2 7/8" 8RD EUE TBG, TAG @ 11,064' W/ JT # 315, BREAK CIRCULATION W/ 375, MILL UP CONES OFF BIT.
	13:30	18:30	5.00	WOR	04		Р		DRILL UP CBP REMAINS AND CBP CHASE TO 11,228' PUDH TO 11,254' 15' OUT JT# 321 DRILL UP PLUG REMAINS, CIRCULATE WELL CLEAN. RD SWIVEL POOH W/ 21 JTS SWIFWE, CREW SHUT DOWN FOR WEEK END.
2/17/2014	6:00	6:00	24.00	PRDHEQ	18		Р		SHUT DOWN FOR WEEK END
2/18/2014	6:00	7:30	1.50	WOR	26		Р		CT HOLD SAFETY MTG ON R.U. POWER SWIVEL, WRITE & REVIEW JSA'S
	7:30	9:30	2.00	WOR	39		Р		0 PSI ON WELL, OPEN WELL & RIH W/ 21 JTS 2-7/8" TBG, RU POWER SWIVEL BREAK CIRC W/ 215 BBLS RECEIVED: Dec. 11, 2014

API Well Number: 43013507140000

CENTRAL DIVISION

2.1 Operation Summary (Continued)

Date		Γime irt-End	Duratio n	Phase	Activit	Sub	OP Code	MD from (ft)	Operation
			(hr)					. ,	
	9:30	11:30	2.00	WOR	10		Р		CLEAN OUT SAND FROM 11254' TO CEMENT TOP @ 11355'
	11:30	15:00	3.50	WOR	06		Р		CIRC WELL BORE CLEAN
	15:00	18:00	3.00	WOR	39		Р		RIG DWN POWER SWIVEL, TOOH W/ 120 JTS 2-7/8" EUE N-80 TBG, FLUSHING W/ HOT OILER AS NEEDED, SECURE WELL SDFN
2/19/2014	6:00	7:30	1.50	WOR	28		Р		CT HOLD SAFETY MTG ON LAYING DWN TBG, WRITE & REVIEW JSA'S
	7:30	10:00	2.50	WOR	39		Р		CONT POOH W/ 203 JTS 2-7/8" TBG, 2-7/8" X 2-3/8" EOE X OVER, & LAY DWN 30 JTS 2-3/8" WORK STRING TBG, BIT SUB & MILL
	10:00	10:30	0.50	WOR	39		Р		MU & RIH W/ 5-3/4" SOLID NO-GO, 8 JTS 2-7/8" EUE N-80 TBG, 2-7/8" DESANDER, 7" ASIX-1 PKR & 7" ON-OFF SKIRT
	10:30	16:30	6.00	WOR	39		Р		RU HYDRO TESTING EQUIP, TIH W/ 323 JTS 2-7/8" EUE N-80 TBG TESTING TO 8500 PSI, RIG DWN TESTING EQUIP, PU 4 JTS 2-7/8" TBG, SET PKR @ 10213', DESANDER @, 10216' & EOT @ 10477'
	16:30	18:30	2.00	WOR	39		Р		LAY DWN 21 JTS 2-7/8" TBG, POOH STANDING BACK IN DERRICK W/ 180 JTS 2-7/8" EUE N-80 TBG, SECURE WELL SDFN
2/20/2014	6:00	7:30	1.50	WOR	28		Р		CT HOLD SAFETY MTG ON TOOH W/ TBG, WRITE & REVIEW JSA'S
	7:30	8:30	1.00	WOR	39		Р		WELL ON VACUME, CONT TOOH W/ 148 JTS 2-7/8" TBG & 7" ON-OFF SKIRT
	8:30	10:00	1.50	WOR	16		Р		RD WORK FLOOR, NDBOP, NU LANDING BOWL, BOP & HYDRILL, RU WORK FLOOR
	10:00	12:30	2.50	WOR	24		Р		TALLY PU & SERVICE, 2-3/8" CHEM MANDREL, CENTINEL SENSOR, MOTOR, 2 SEALS, GAS SEP, 4 PUMPS, X OVER & 4' X 2-7/8" EUE N-80 TBG SUB,
	12:30	12:30	0.00	WOR	39		Р		RU SPOOLERS, HOOK UP MOTOR LEAD & 1/4" CAP TUBE RIH W/ ESP EQUIP, 2 JTS 2-7/8" TBG, 2-7/8" DRAIN SUB, 2 JTS 2-7/8" TBG, 2-7/8" +45 P.S.N. & 208 JTS 2-7/8" EUE N-80 TBG BANDING ESP CABLE & CAP TUBE 3 BANDS PER JT, SECURE WELL SDFN
2/21/2014	6:00	7:30	1.50	WOR	28		Р		CT HOLD SAFETY MTG ON TIH W/ TBG & ESP CABLE, WRITE & REVIEW JSA'S
	7:30	10:30	3.00	WOR	39		Р		0 PSI ON WELL, CONT TIH W/ 90 JTS 2-7/8" EUE N80 TBG, ESP CABLE & 1/4" CAP TUBE BANDED 3 BANDS PER JT
	10:30	13:30	3.00	WOR	16		Р		MAKE PENETRATOR SPLICE, LAND TBG, RIG DWN WORK FLOOR, ND HYDRILL & BOP, NUWH, HOOK UP FLOW LINES, FLUSH W/ 15 BBLS TEST TO 1200 PSI
	13:30	14:30	1.00	WOR	18		Р		START ESP, TURN WELL OVER TO PRODUCTION, TO WINDY TO RIG DWN RIG, SDFD
9/11/2014	6:00	7:00	1.00	WOR	28		Р		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; ROAD RIG
	7:00	10:30	3.50	MIRU	01		Р		ROAD RIG FROM FLYING DUTCHMAN 1-24C5 TO LOCATION R/U HOT OIL TRUCK FLUSH TBG w 60 BBLS OF HOT 2% KCL WATER R/U AND FLUSH 1/4" CAP STRING w 14 GALS OF METHANOL MIRU
	10:30	11:00	0.50	WOR	16		Р		N/D WELL HEAD ATTEMPT TO N/U LARKIN FLANGE FAILED FLANGE TO SHORT BOPE BOLTS WILL NOT MAKE UP 3K NUTS IN THE WAY
	11:00	14:30	3.50	WOR	16		N		FIND DIFFERANT LARKIN HEAD FLANGE IN VERNAL WAIT ON FLANGE
	14:30	16:00	1.50	WOR	16		Р		N/U BOPE AND HYDRILL
	16:00	19:00	3.00	WOR	39		Р		R/U SPOOLERS SOH w 107 JTS OF 2 7/8" TBG EOT 6241' SECURE WELL SDFN

9/12/2014

RECEIVED: Dec. 11, 2014

Date	1	Гіте	Duratio	Phase	Activit	Sub	OP	MD from	Operation
		rt-End	n (hr)		у		Code	(ft)	
	6:00	7:00	1.00	WOR	28		Р		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; TRIPPING TUBING CUTTING BANDSFLUSH TBG w 60 BBLS OF HOT 2% KCL WATER
	7:00	13:23	6.38	WOR	39		Р		CONTINUE TOH w 199-JTS OF 2 7/8" TBG L/D ESP EQUIPMENT
	13:23	18:30	5.12	WOR	39		Р		P/U ON/OFF TOOL TALLY IN w 281- JTS OF 2 7/8" TBG EOT 9055' SECURE WELL SDFN
9/13/2014	6:00	7:00	1.00	WOR	28		Р		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; PICKING UP TUBING
	7:00	9:00	2.00	WOR	39		Р		CONTINUE TIH w 36- JTS OF 2 7/8" TBG RELEASE DESANDER
	9:00	13:33	4.55	WOR	39		Р		TOH w 320-JTS OF 2 7/8" TBG L/D DESANDER (PKR AND MUD JTS HAD SCALE ON AND IN SIDESAMPLE TURNED INTO BAKER CHEM)
	13:33	18:00	4.45	WOR	39		Р		WRITE AND REVIEW JSA TOPIC; CLEAN OUT OPERATIONSP/U 3 5/8" ROCK BIT CHECK VALVE 6' TBG SUB CHECK VALVE 22-JTS OF 2 3/8" TBG SAFTY JT BAILER CHECK VALVE DRAIN SUB CONTINUE TIH P/U 73-JTS OF 2 3/8" TBG XO CHANGE HANDLING TOOLS CONTINUE w 178-JTS OF 2 7/8" TBG EOT 8775' SECURE WELL SDFN
9/14/2014	6:00	7:00	1.00	WOR	28		Р		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIGGING UP POWER SWIVEL
	7:00	17:00	10.00	WOR	10		Р		CONTINUE TIH w 28 JTS OF 2 7/8" TBG TAG AT 11351' R/U POWER SWIVEL DRILL PLUG AT 11360' AND 11365' CHASE PLUG PARTS TO 12237'
	17:00	17:00	0.00	WOR	39		Р		R/D POWER SWIVEL TOH w 48 JTS OF 2 7/8" TBG ABOVE LINER TOP EOT 10440' SECURE WELL SDFN
9/16/2014	6:00	7:00	1.00	WOR	28		Р		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; CLEAN OUT OPERATIONS
	7:00	9:00	2.00	WOR	39		Р		CSIP 750 PSI TSIP 550 PSI BLEED OFF WELL PUMP 60 BBLS OF 2% KCL DOWN ANNULUS
	9:00	16:00	7.00	WOR	10		Р		TIH w 48 JTS OF 2 7/8" TBG TAG AT 12237' L/D 32 JTS OF 2 7/8" TBG TIH OUT OF DERRICK TAG 12237' R/U POWER SWIVEL CONTINUE C/O TO 12489' TMD
	16:00	18:00	2.00	WOR	39		Р		R/U POWER SWIVEL SOH w 130 EOT 8315' SECURE WELL SDFN
9/17/2014	6:00	7:00	1.00	WOR	28		Р		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; TRIPPING TUBING
	7:00	11:00	4.00	WOR	39		Р		CSIP 100 PSI TSIP 50 PSI BLEED OFF WELL CONTINUE TOH W 134-JTS OF 2 7/8" TBG CHANGE HANDLING TOOLS 73-JTS OF 2 3/8" TBG L/D BAILER CLEANED CAVITIY HAD CEMENT SAND AND PLUG PARTS L/D BIT LOST CONE OFF BIT
	11:00	14:30	3.50	WOR	39		Р		P/U 3.701 MILL P/U CHECK VALVE 6' TBG SUB CHECK VALVE 22-JTS OF 2 3/8" TBG SAFTY JT BAILER CHECK VALVE DRAIN SUB CONTINUE TIH P/U 73-JTS OF 2 3/8" TBG XO CHANGE HANDLING TOOLS CONTINUE w 226-JTS OF 2 7/8" TBG TAG AT 10812' (539' HIGHER THEN FIRST TAG AT 11351')
	14:30	18:00	3.50	WOR	04		Р		R/U POWER SWIVEL MILL THROUGH TIGHT SPOT AT 10812' CONTINUE SWIVEL IN HOLE 4 JTS R/D POWER SWIVLE TOH w 2 7/8" TBG ABOVE LINER SECURE WELL SDFN EOT 10445'
9/18/2014	6:00	7:00	1.00	WOR	28		Р		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; CLEAN OUT OPERATIONS
	7:00	18:30	11.50	WOR	39		Р		CSIP 100 PSI TSIP 0 PSI BLEED OFF WELL TIH w 64 JTS OF 2 7/8" TBG TAG AT 12489' R/U POWER SWIVEL CONTINUE C/O LINER TO 12494' R/D POWER SWIVEL TOH w 64 JTS ABOVE LINER EOT 10445' SECURE WELL SDFN
9/19/2014	6:00	7:00	1.00	WOR	28		Р		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; TRIPPING TUBING RECEIVED: Dec. 11. 2014

API Well Number: 43013507140000

CENTRAL DIVISION

2.1 Operation Summary (Continued)

Date	1	Time	Duratio	Phase	Activit	Sub	OP	MD from	Operation
	Sta	rt-End	n (hr)		У		Code	(ft)	
	7:00	11:30	4.50	WOR	39		Р		TOH L/D BAILER MILL HAD SOME SIDE WEAR AND WAS
									PLUGGED
	11:30	14:00	2.50	WOR	18		N		REPLACE AIR COMPRESSOR ON RIG
	14:00	18:00	4.00	WOR	39		Р		P/U 3.625 MILL P/U CHECK VALVE 6' TBG SUB CHECK VALVE 22-JTS OF 2 3/8" TBG SAFTY JT BAILER CHECK VALVE DRAIN SUB CONTINUE TIH P/U 73-JTS OF 2 3/8" TBG XO CHANGE HANDLING TOOLS CONTINUE w 230-JTS OF 2 7/8" TBG EOT 10445' SECURE WELL SDFN
9/20/2014	6:00	7:00	1.00	WOR	28		Р		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIGGING UP POWER SWIVEL
	7:00	16:30	9.50	WOR	10		Р		CSIP 200 PSI TSIP 0 PSI TIH w 64 JTS OF 2 7/8" TBG TAG 12494' R/U POWER SWIVEL C/O LINER TO 13235' ACT LIKE BAILER IS PLUGGED
	16:30	18:00	1.50	WOR	10		Р		R/D POWER SWIVEL TOH w 100 JTS OF 2 7/8" TBG SECURE WELL SDFN
9/21/2014	6:00	7:30	1.50	WOR	28		Р		CREW TRAVEL, SAFETY MEETING (LAYING DOWN AND PICKING UP NEW BAILER. TRAPPED PRESSURE. LINE OF FIRE AND EYES ON TARGET) FILL OUT AND REVIEW JSA
	7:30	10:30	3.00	WOR	39		Р		CONTINUE TO TRIP OUT OF WELL WITH 231 JOINTS 2 7/8' TUBING AND 95 JOINTS 2 3/8" TUBING AND BAILER ASSEMBLY FINDING BAILER PLUGGED.
	10:30	14:00	3.50	WOR	39		Р		PICK UP NEW BAILER ASSEMBLY AND TIH WITH 95 JOINTS 2 3/8" TUBING AND 231 JOINTS 2 7/8" TUBING TO LINER TOP. EOT @10,480'
	14:00	14:30	0.50	WOR	18		Р		SECURE WELL AND SHUT DOWN FOR DAY
9/23/2014	6:00	7:30	1.50	WOR	28		Р		TRAVEL TOLOCATION. HOLD SAFETY MEETING ON HAND
	7.00	0.00	4.50	WOR	39		P		PLACEMENT. FILL OUT & REVIEW JSA
	7:30 9:00	9:00	3.00	WOR	04		P		TIH W/ 86 JTS 2-7/8"EUE TBG. RU POWER SWIVEL TAG FILL @ 13233'. CLEAN OUT TO 13241'. MILL BECAME STUCK. WHILE ATTEMPTING TO WORK MILL FREE, PUSHER NOTICED CRACKED WELDS IN DRAW WORKS. SHUT DOWN TO REPAIR DRAW WORKS
	12:00	14:00	2.00	WOR	54		N		FILL OUT HOT WORK PERMIT & REPAIR DRAW WORKS
	14:00	16:00	2.00	WOR	53		Р		WORK TBG FREE.
	16:00	18:00	2.00	WOR	39		Р		RD POWE RSWIVEL. TOOH W/ 196 JTS 2-7/8"EUE TBG. SDFN
9/24/2014	6:00	7:30	1.50	WOR	28		Р		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON PROPER LIFTING. FILL OUT & REVIEW JSA
	7:30	17:30	10.00	WOR	39		Р		TOOH W/ 145 JTS 2-7/8"EUE TBG, X-OVER, 73 JTS 2-3/8"EUE TBG, BAILER, 22 JTS 2-3/8" EUE TBG, CHECK VALVES, PUP JT & MILL. TIH W/ 5-3/4" SOLID NO/GO, 8 JTS 2-7/8" EUE TBG, DESANDER, ARROWSET PKR, ON/OFF TOOL & 318 JTS 2-7/8"EUE TBG. SET PKR @ 10213', DESANDER @ 10216' & EOT @ 10477', POOH W/ TBG & ON/OFF TOOL. SDFN
9/25/2014	6:00	7:30	1.50	INARTLT	28		Р		CREW TRAVEL SAFETY MEETING (PICKING UP ESP AND HANGING OVERHEAD EQUIPMENT. LINE OF FIRE AND HAND PLACEMENT
	7:30	14:00	6.50	INARTLT	24		Р		PICK UP AND SERVICE ESP PUMP AND CAPSTRING
	14:00	15:30	1.50	INARTLT	39		Р		TRIP INTO WELL WITH 37 STANDS 2 7/8" TUBING, CAP STRING ESP CABLE AND ESP PUMP.
	15:30	20:30	5.00	INARTLT	39		Р		SHUT DOWN JOB BECAUSE CAPSTRING BECAME PLUGGED WHILE FLUSHING. CUT CAP STRING AND FLUSHED WHAT WAS IN THE HOLE. COULDN'T FLUSH WHAT WAS ON THE REEL. ORDERED IN NEW CAP STRING AND FLUSHED TUBING IN HOLE WITH BAKERCORP CHEMICAL. SECURE WELL SHUT DOWN FOR DAY

9/26/2014

RECEIVED: Dec. 11, 2014

CENTRAL DIVISION

Date	1	Гіте	Duratio	Phase	Activit	Sub	OP	MD from	Operation
	Sta	rt-End	n (hr)		У		Code	(ft)	
	6:00	7:30	1.50	INARTLT	28		Р		CREW TRAVEL, SAFETY MEETING (HAND PLACEMENT, N/D BOP. N/U WELLHEAD) FILL OUT AND REVIEW JSA
	7:30	15:00	7.50	INARTLT	03		Р		CHANGE OUT CAP STRING SPOOL, SPLICE CAP STRING AND CONTINUE TO TIH WITH 226 JOINTS TUBING. SPACE OUT ESP CABLE WITH 24' OF TUBING SUBS. MAKE CABLE SPLICE AND LAND TUBING.
	15:00	17:30	2.50	INARTLT	16		Р		RIG DOWN RIG FLOOR, NIPPLE DOWN BOP AND HYDRILL, CHANGE ORINGS ON HANGER AND RELAND TUBING. NIPPLE UP FLOWLINE AND CHANGE OUT SURFACE PIGTAIL AND CONNECT PIGTAIL.
	17:30	21:00	3.50	INARTLT	09		Р		PROGRAM SURFACE EQUIPMENT AND PREPARE TO START PUMP
9/27/2014	6:00	7:30	1.50	RDMO	28		Р		CREW TRAVEL, SAFETY MEETING (RIGGING DOWN AND MOVING OUT) FILL OUT AND REVIEW JSA
	7:30	10:00	2.50	RDMO	02		Р		START ESP AND WAIT FOR FLUID TO REACH SURFACE, RIG DOWN RIG AND MOVE OUT

CENTRAL DIVISION

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Sundry Number: 59616 API Well Number: 43013507140000

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINII		5.LEASE DESIGNATION AND SERIAL NUMBER:
			Fee
	RY NOTICES AND REPORTS O	_	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	oposals to drill new wells, significantly de reenter plugged wells, or to drill horizont n for such proposals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: LAKE FORK RANCH 4-26B4
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY,		9. API NUMBER: 43013507140000	
3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston,		PHONE NUMBER: 38 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1779 FSL 1775 FEL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNS	HIP, RANGE, MERIDIAN: 26 Township: 02.0S Range: 04.0W Meridi	an: U	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
1/7/2015	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
Report Date:	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER: DO Plugs
12. DESCRIBE PROPOSED OR	COMPLETED OPERATIONS. Clearly show all	pertinent details including dates.	·
	out CBP's @ 10550' & 10530'		Approved by the
previously	produced zone to commingle	LGR/Wasatch.	Wamutiyi0i7งก2011 5 Oil, Gas and Mining
			Date:
			By: Dodk Out
NAME (PLEASE PRINT)	PHONE NUMBEI	R TITLE	
Maria S. Gomez	713 997-5038	Principal Regulatory Analys	st
SIGNATURE N/A		DATE 1/7/2015	

	STATE OF UTAH		FORM 9						
ı	DEPARTMENT OF NATURAL RESOUR DIVISION OF OIL, GAS, AND M		5.LEASE DESIGNATION AND SERIAL NUMBER: Fee						
SUNDR	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:						
	posals to drill new wells, significantl reenter plugged wells, or to drill horiz n for such proposals.		7.UNIT or CA AGREEMENT NAME:						
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: LAKE FORK RANCH 4-26B4						
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY,	9. API NUMBER: 43013507140000								
3. ADDRESS OF OPERATOR: 1001 Louisiana, Houston,	TX, 77002 713 997-	PHONE NUMBER: -5038 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT						
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1779 FSL 1775 FEL			COUNTY: DUCHESNE						
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 26 Township: 02.0S Range: 04.0W Me	eridian: U	STATE: UTAH						
11. CHECI	K APPROPRIATE BOXES TO INDICA	ATE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA						
TYPE OF SUBMISSION		TYPE OF ACTION							
	ACIDIZE	ALTER CASING	CASING REPAIR						
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME						
Approximate date work will start.	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE						
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION						
2/10/2015	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK						
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION						
SPUD REPORT Date of Spud:									
	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	LI TEMPORARY ABANDON						
DRILLING REPORT	L TUBING REPAIR	☐ VENT OR FLARE ☐	☐ WATER DISPOSAL						
Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION						
	WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: DO Plugs						
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The intent was marked different. Cleaned sand out to CBP @ 10530' & drilled plug. Lost circulation. Drilled 2nd plug @ 10550' & casing went on vacuum, got circulation back, circ. Cleaned sand out to PBTD @ 12905'. Circulated hole clean. Perfs now producing: 9147-9440, 9495-9881, 10099-10440, 10600-10823, 10851-11054, 11077-11284, 11300-11571, 11597-11855, 11883-12167, 12189-12545 and 12595-12870. See attached for details.									
NAME (PLEASE PRINT) Maria S. Gomez	PHONE NUM 713 997-5038	IBER TITLE Principal Regulatory Analys	st						
SIGNATURE N/A		DATE 5/17/2015							

RECEIVED: May. 17, 2015

CENTRAL DIVISION

ALTAMONT FIELD

LAKE FORK RANCH 4-26B4

LAKE FORK RANCH 4-26B4

RECOMPLETE LAND

Operation Summary Report

Disclaimer: Although the information contained in this report is based on sound engineering practices, the copyright owner (s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the possession or use of the report whether in terms of correctness or otherwise. The application, therefore, by the user of this report or any part thereof, is solely at the user's own risk.

CENTRAL DIVISION

1 General

Customer Information 1.1

Company	CENTRAL DIVISION
Representative	
Address	

1.2 **Well Information**

Well	LAKE FORK RANCH 4-26B4								
Project	ALTAMONT FIELD	Site	LAKE FORK RANCH 4-26B4						
Rig Name/No.		Event	RECOMPLETE LAND						
Start date	9/11/2014	End date	2/11/2015						
Spud Date/Time	1/16/2013	UWI	LAKE FORK RANCH 4-26B4						
Active datum	KB @6,354.0ft (above Mean Sea Level)	·							
Afe	163585/52350 / LAKE FORK RANCH 4-26B4	163585/52350 / LAKE FORK RANCH 4-26B4							
No./Description									

2 Summary

2.1 **Operation Summary**

Date		Гіте art-End	Duratio n (hr)	Phase	Activit y	Sub	OP Code	MD from (ft)	Operation
9/12/2014	14:00	14:30	0.50	MIRU	01		Р		TGSM & JSA (RIGGING UP)
	14:30	16:00	1.50	MIRU	01		Р		SLIDE UNIT RIG UP
	16:00	18:00	2.00	WOR	06		Р		PUMP 350 BBLS KCL WHILE ATTEMPTING TO WORK PUMP OFF SEAT W/ NO SUCCESS. SWI SHUT DOWN FOR DAY
9/13/2014	6:00	7:30	1.50	PRDHEQ	28		Р		CREW TRAVEL HELD SAFETY MEETING ON JARRING ON PUMP. FILLED OUT JSA. HAD 250 BBLS PUMPED DOWN CSG @ 7:30
	7:30	8:30	1.00	PRDHEQ	14		Р		WHILE TRYING TO WORK PUMP FREE RODS PARTED.
	8:30	9:30	1.00	PRDHEQ	39		Р		TOOH W/ 111-1", 121-7/8" AND 1-3/4". RODS PARTED @ 5825'.
	9:30	12:00	2.50	PRDHEQ	16		Р		ND WELLHEAD. NU BOP. RU RIG FLOOR, RELEASED TAC .
	12:00	16:00	4.00	PRDHEQ	39		Р		TOOH W/ 186-JTS 2 7/8 L-80 EUE TBG. CHANGED OVER TO PULL RODS.
	16:00	18:00	2.00	PRDHEQ	39		Р		BACKED OFF RODS, TOOH W/ 134-3/4" AND 6-1 1/2" WEIGHT BARS. CLEANED UP. SECURED WELL EOT @ 3865. SDFN.
9/14/2014	6:00	6:00	24.00	WOR	18		Р		NO ACTIVITY
9/15/2014	6:00	6:00	24.00	WOR	18		Р		NO ACTIVITY
9/16/2014	6:00	7:30	1.50	WOR	28		Р		CT HOLD SAFETY MTG ON STRIPPING RODS & TBG, WRITE & REVIEW JSA'S
	7:30	11:00	3.50	WOR	39		Р		0 PSI ON WELL, CONT STRIPPING OUT OF HOLE W/ 2-7/8" TBG, 1-1/2" WT BARS & ROD PUMP, LAY DWN PRODUCTION BHA
	11:00	19:00	8.00	WLWORK	26		P		MIRU LONE WOLF WIRE LINE, RIH W/ 6.10 GR/JB TO 4-1/2" LINER TOP @ 10331', RIH SET 4-1/2" 10K CBP @ 10550', FILL CSG W/ 275 BBLS 2% KCL & PRESSURE UP TO 1000 PSI, SET 2nd 4-1/2" CBP @ 10530', BLEED OFF PRESSURE, RIH & DUMP BAIL 10' CMT ON TOP OF PLUG, RIG DWN WIRE LINE SECURE WELL SDFN
9/17/2014	6:00	7:30	1.50	WOR	28		Р		TRAVEL TO LOC HOLD SAFETY MTG ON USING TAG LINES WRITE & REVIEW JSA'S
	7:30	13:00	5.50	WOR	16		Р		0 PSI ON WELL, RD WORK FLOOR, NDBOP, NU 7" 10K FRAC STACK
	13:00	14:30	1.50	WOR	18		Р		TEST 7" 10K FRAC STACK TO 10,000 PSI, TEST CSG TO 8000 PSI FOR 15 MINUTES W/ SURFACE CSG OPEN & CHART THEM, RIG DWN WEATHERFORD TEST EQUIP
	14:30	16:00	1.50	WOR	18		Р		HELP RUN FLOW BACK LINES & MANIFOLD TO FLOW BACK TANK, SECURE WELL SDFN

May 17, 2015 at 11:10 pm

CENTRAL DIVISION

Date	Т	ime	Duratio	Phase	Activit	Sub	OP	MD from	Operation
	Sta	rt-End	n (bar)		у		Code	(ft)	
9/18/2014	6:00	7:30	(hr) 1.50	WOR	28		Р		CREW TRAVEL TO LOC HOLD SAFETY MTG ON WIRE LINE OPERATIONS, WRITE & REVIEW JSA'S
	7:30	12:00	4.50	WLWORK	21		Р		MIRU CUTTERS WIRE LINE, RIH & PERF STG 1 PERFS FROM 10440' TO 10099', USING 2-3/4" TAG-RTG GUNS, OWENS SUPER HERO SDP 15 GM CHARGES, 3 SPF @ 120 DEG PHASING, ALL PERF ARE CORRELATED TO LONE WOLF W.L. CBL/GR/CCL RUN # 1 2/25/13, STARTING PRESSURE 1000 PSI ENDING PRESSURE 1000 PSI, SECURE WELL SDFN
9/19/2014	10:00	11:30	1.50	WOR	28		Р		CT HOLD SAFETY MTG ON FRACING OPERATIONS, WRITE & REVIEW JSA'S
	11:30	16:00	4.50	MIRU	01		Р		MIRU WEATHERFORD FRAC CREW
	16:00	17:30	1.50	STG01	35		Р		TEST PUMP LINES TO 8733 PSI, OPEN WELL CSG PSI 1777 PSI, BREAK DWN STG 1 PERFS @ 4914 PSI @ 8 BPM, ISIP 3705 PSI, 5 MIN 3566 PSI, 10 MIN 3498 PSI, F.G79, TREAT PERFS W/ 5000 GALS 15% ACID, 3000 LBS 100 MESH IN 1/2 PPG STG, 31200 LBS THS 30/50 IN 1/2 LB & 1 LB IN SLICK WATER STGS & 88800 LBS THS 30/50 IN 2 & 3 LB GELLED STGS, ISIP 3623 PSI, AVG RATE 76 BPM, MAX RATE 80 BPM, AVG PRESSURE 5502 PSI & MAX PRESSURE 6309 PSI, F.G78, SHUT IN WELL & TURN OVER TO WIRE LINE.
	17:30	22:00	4.50	STG02	21		Р		RIH & SET 7" CBP @ 9896', PERF STG 2 PERFS FROM 9881' TO 9495' IN 2 RUNS USING 3-1/8" TAG-RTG TITANS DEEP PENETRATING 22.7 GM CHARGES, 3 & 4 SPF @ 120 DEG PHASING, ALL PERFS ARE CORRELATED TO LONE WOLFS CBL/GR/CCL RUN 1 ON 2/25/13 LOG, STARTING PRESSURE 3400 PSI ENDING 2200 PSI, SECURE WELL SDFN
9/20/2014	6:30	8:00	1.50	WOR	28		Р		CT HOLD SAFETY MTG ON WIRE LINE OPERATIONS, WRITE & REVIEW JSA'S
	8:00	10:00	2.00	STG02	35		Р		START & WARM UP EQUIP, TEST PUMP LINES TO 8823 PSI, OPEN WELL@ 2321 PSI, BREAK DWN STG 2 PERFS @ 3669 PSI @ 8 BPM, ISIP 2332, FG67, TREAT PERFS W/ 20,000 GALS 15% HCL ACID DROPPING 87 BIO BALLS MID WAY THRU ACID, DISPLACE ACID W/ 2% KCL 10BBLS PAST BTM PERF, MAX RATE 50.1 BPM, AVG RATE 41.9 BPM, MAX PRESSURE 6236 PSI, AVG PRESSURE 3788 PSI, ISIP 2797 PSI, FG .72, 5 MIN 2707 PSI, 10 MIN 2543 PSI, 15 MIN 2611 PSI, 943 BBLS TO RECOVER, TURN WELL OVER TO WIRE LINE
	10:00	12:30	2.50	STG03	21		Р		RIH & SET 7" CBP @ 9455', PERF STG 3 IN 2 RUNS FROM 9440' TO 9147', USING 3-1/8" TAG-RTG GUNS, TITAN DEEP PENETRATING 22.7 GM CHARGES, 4 SPF @ 120 DEG PHASING, TURN WELL OVER TO FRAC CREW STARTING PRESSURE 2500 PSI ENDING PRESSURE 1200 PSI
	12:30	13:30	1.00	STG03	35		Р		TEST PUMP LINES TO 8751 PSI, OPEN WELL @ 1720 PSI, BREAK STG 3 PERFS DWN @ 3118 PSI @ 10 BPM, ISIP 1774 PSI, FG .62, TREAT PERF W/ 20,000 GALS 15% HCL ACID DROPPING 63 BIO BALLS MID WAY THRU ACID, DISPLACE ACID W/ 2% KCL 10 BBLS PAST BTM PERF, MAX RATE 51.2 BPM AVG RATE 34 BPM, MAX PRESSURE 7799 PSI, AVG PRESSURE 2683 PSI, ISIP 1953 PSI, 5 MIN 1742 PSI, 10 MIN 1627 PSI, 15 MIN 1559 PSI 933 BBLS TO RECOVER, TURN WELL OVER TO WIRE LINE
	13:30	16:00	2.50	STG03	27		Р		RIH W/ WIRE LINE SET 7" KILL PLUG @ 9110', POOH RIG DWN WIRE LINE & FRAC EQUIP
	16:00	17:30	1.50	WOR	16		Р		ND FRAC STACK NU 5K BOP, RU WORK FLOOR & TBG TONGS SECURE WELL SDFN
9/21/2014	6:00	7:30	1.50	WOR	28		Р		CT HOLD SAFETY MTG ON RIH W/ TBG WRITE & REVIEW JSA'S

Date		ime rt-End	Duratio n	Phase	Activit y	Sub	OP Code	MD from (ft)	Operation
	7:30	11:00	(hr) 3.50	WOR	39		P		
	7.50	11.00	3.30	WOR	39		r		TALLY MU & RIH W/ 6" ROCK BIT, 3-1/2" IF X 2-7/8" EUE BIT SUB, 2-7/8"+45P.S.N., & 288 JTS 2-7/8" EUE L-80 TBG, TAG 7" KILL PLUG @ 9110'
	11:00	20:30	9.50	WOR	10		Р		RU POWER SWIVEL BEGIN CIRCULATING, DRILL OUT 7" KILL PLUG @ 9110', CIRC TBG CLEAN RD POWER SWIVEL, RIH W/ 10 JTS 2-7/8" TBG TAG 7" PLUG @ 9455', RU POWER SWIVEL, BEGIN CIRCULATING, DRILL OUT 7" PLUG @ 9455', CIRC TBG CLEAN, SWIVEL DWN 13 JTS 2-7/8" TBG & DRILL OUT 7" PLUG @ 9896', CIRC TBG CLEAN & RIG DWN POWER SWIVEL
	20:30	21:30	1.00	WOR	39		Р		TOOH W/ 26 JTS 2-7/8" TBG, EOT @ 9088', SHUT TBG IN, HOOK UP LINES FOR FLOW BACK CREW
	21:30	6:00	8.50	FB	19		Р		OPEN CSG UP TO FLOW BACK TANK ON 16/64 CHOKE @ 300 PSI FLOWED BACK 165 BBLS WATER
9/22/2014	6:00	6:00	24.00	FB	19		Р		HOLD SAFETY MTG ON GAUGING TANKS WRITE & REVIEW JSA'S, WELL FLOWING TO SALES @ 70 PSI ON A 64/64, CHOKE, FLOWED 88 BBLS OIL, 355 BBLS WATER & 85 MCF
9/23/2014	6:00	7:30	1.50	WOR	28		Р		CT HOLD SAFETY MTG ON TOOH W/ TBG WRITE & REVIEW JSA'S
	7:30	9:00	1.50	WOR	39		Р		CSG 0 PSI, SITI 150 PSI, PUMP 10BBLS BRINE DWN TBG, TIH W/ 39 JTS 2-7/8" TBG, RU POWER SWIVEL, CONT DRILLING OUT 7" CBP ON TOP OF LINER TOP @ 10331'
	9:00	11:00	2.00	WOR	06		Р		CIRC TBG CLEAN & GAS & OIL OUT OF WELL BORE
	11:00	12:30	1.50	WOR	39		Р		RD POWER SWIVEL, TOOH W/ 230 JTS 2-7/8" TBG
	12:30	13:30	1.00	WOR	06		Р		CIRC WELL W/ 100 BBLS BRINE WATER
	13:30	14:30	1.00	WOR	39		Р		CONT TOOH W/ 94 JTS 2-7/8" TBG, BIT SUB & 6" BIT
	14:30	17:00	2.50	WOR	39		Р		TALLY & RIH W/ 3-3/4" ROCK BIT, 2-3/8" EUE X 2-3/8" REG BIT SUB, 8 JTS 2-3/8" TBG. 2-7/8" EUE X 2-3/8" EUE X OVER, & 317 JTS 2-7/8" TBG, TAG @ 10341'
	17:00	21:30	4.50	WOR	10		Р		RU POWER SWIVEL, BEGIN CIRCULATING & SWIVEL DWN CLEANING OUT FRAC SAND TO PBTD @ 10520', CIRC TBG CLEAN RIG DWN SWIVEL, POOH & LAY DWN 7 JTS 2-7/8" TBG, EOT @ 10310' SECURE WELL SDFN
9/24/2014	6:00	7:30	1.50	WOR	28		Р		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON TRIPPING TBG. FILL OUT & REVIEW JSA
	7:30	18:00	10.50	WOR	39		P		SITP 0 PSI. SICP 0 PSI. RU TBG SCANNERS. TOOH W/ 324 JTS 2-7/8" EUE TBG, (283 JTS YELLOW BAND, 37 JTS BLUE BAND & 4 JTS RED BAND). RD TBG SCANNERS. LD 8 JTS 2-3/8"EUE TBG. TIH W/ SOLID NO/GO, 2 JTS 2-7/8"EUE TBG, 5-1/2" PBGA, 2' X 2-7/8" EUE TBG, SEAT NIPPLE, 4' X 2-7/8"EUE TBG & 2 JTS 2-7/8" EUE TBG. RU HYDRO TEST TOOLS. WELL STARTED FLOWING. PULL HYDRO TEST TOOLS & TIH W/ 78 JTS 2-7/8" EUE TBG KILL STRING. SDFN
9/25/2014	6:00	7:30	1.50	WOR	28		Р		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON HYDROTESTING TBG. FILL OUT & REVIEW JSA
	7:30	8:30	1.00	WOR	15		Р		CIRCULATE WELL W/ 2% KCL WTR. PUMP 30 BBLS 10# BRINE TO KILL WELL.
	8:30	18:00	9.50	WOR	39		Р		TOOH W/ 80 JTS KILL STRING(TO SEAT NIPPLE). RIH W/ 4 JTS 2-7/8"EUE TBG, TAC & 313 JTS 2-7/8"EUE TBG, TESTING ALL TBG TO 8500 PSI & PUMPING 10# BRINE WTR DOWN TBG AS NEEDED TO KEEP TBG DEAD. RD HYDROTEST UNIT. SDFN
9/26/2014	6:00	7:30	1.50	WOR	28		Р		CREW TRAVEL HELD SAFETY MEETING ON WELL CONTROL, FILLED OUT JSA.
	7:30	9:00	1.50	WOR	06		Р		CIRCULATE WELL W/ 250 BBLS 2% KCL.
	9:00	11:30	2.50	WOR	16		Р		SET TAC @ 9997', SN @ 10133', EOT 10231'. RD RIG FLOOR, ND BOP, NU AND PLUMBED IN WELLHEAD.
	11:30	13:00	1.50	WOR	06		Р		FLIUSHED TBG W/ 40 BBLS 2 % KCL AND 50 BBLS BRINE.

Date		Time art-End	Duratio n	Phase	Activit y	Sub	OP Code	MD from (ft)	Operation
	40.00	47.00	(hr)	INIADTIT	20				
	13:00	17:30	4.50	INARTLT	39		Р		PU AND PRIMED 2 1/2" X 1 1/2" X 38' 2 STAGE HVR PUMP, RIH W/ PUMP 18-1 1/2 K-BARS, 134-3/4", 124-7/8" 126-1" SPACED OUT RODS W/ 1-4', 1-2' X1 SUBS. FILLED TBG W/ 5 BBLS. PRESSURE TEST AND STROKE TEST @ 1000 PSI HELD.
	17:30	19:30	2.00	RDMO	02		Р		RD RIG AND SLIDE UNIT IN HANG OFF RODS PUT WELL ON PRODUCTION,
2/5/2015	6:00	7:00	1.00	PRDHEQ	28		Р		CREW TRAVEL HSM WRITE & REVIEW JSA (TOPIC) GENERAL WORKOVER RIG SAFETY
	7:00	10:30	3.50	MIRU	01		Р		ROAD RIG FROM 3-32B4 TO 4-26B4, SLIDE ROTA FLEX BACK, MIRU, HOT OILER PUMPED 60 BBLS DOWN CSG
	10:30	13:15	2.75	PRDHEQ	18		Р		WORK RODS TRYING TO UNSEAT PUMP. HOT OILER PUMPING HOT 2% KCL DOWN CSG TOTAL OF 280 BBLS, NO LUCK UNSEATING PUMP. R/U TBG TONGS & BACK OFF RODS @ 9900'
	13:15	15:30	2.25	PRDHEQ	39		Р		TOOH CHECKING BREAKS W/ 126-1", 124-7/8", 134-3/4" RODS, L/D 10 K-BARS
	15:30	16:45	1.25	WLWORK	21		Р		R/U THE PERFORATORS, RIH PERF TBG @ 9870'-9871' W/ 4 SHOTS, POOH. R/D WIRELINE TRUCK.
	16:45	18:30	1.75	PRDHEQ	16		Р		X-O TO TBG EQUIPMENT. N/D PUMP TEE, N/U 5K BOPE, R/U WORK FLOOR & TONGS, RELEASE 7" TAC @ 10004', TAC WAS HARD TO RELEASE, SHUT IN & LOCK PIPE RAMS, VENT CSG TO TREATER. SI TBG W/ TIW VALVE W/ NIGHT CAP., SDFN.
2/6/2015	7:00	8:00	1.00	PRDHEQ	39		Р		CREW TRAVEL HSM WRITE & REVIEW JSA (TOPIC) BOPE SAFETY
	8:00	13:45	5.75	PRDHEQ	39		Р		50 PSI SIP ON CSG, TOOH STRIPPING RODS & TBG W/ 313 JTS 2 7/8", 7" TAC, 4 JTS 2 7/8", L/D 8 K-BARS, 4' SUB, PSN, 2' SUB, 5 1/2" PBGA, 2 MUD JTS 2 7/8" & NO/GO, MUD JTS WERE FULL OF FRAC SAND
	13:45	18:00	4.25	PRDHEQ	39		Р		P/U & RIH W/ 3 3/4" BIT, BIT SUB & 86 JTS 2 3/8" TBG, 2 3/8" X 2 7/8" X-O, RIH W/ 208 JTS 2 7/8" TBG, CLOSE & LOCK PIPE RAMS, VENT CSG TO TREATER, SI TBG W/ TIW VALVE W/ NIGHT CAP, SDFN, EOT @ 9333'
2/7/2015	6:00	7:00	1.00	PRDHEQ	28		Р		CREW TRAVEL HSM WRITE & REVIEW JSA (TOPIC) POWER SWIVEL
	7:00	8:00	1.00	PRDHEQ	39		Р		50 PSI SICP, CONTINUE RIH W/ 42 JTS 2 7/8" TAGGED SAND @ 10491'
	8:00	18:30	10.50	PRDHEQ	10		Р		R/U POWER SWIVEL BREAK CIRCULATION W/ 160 BBLS. CLEAN OUT SAND TO CPB @ 10530, START DRILLING ON PLUG LOST CIRCULATION, DRY DRILL PLUG UPDRILLED UP SECOND PLUG CSG WENT ON VACUUM, GOT CIRCULATION BACK, CIRC. CLEAN. R/D SWIVEL. CONTINUE RIH TAGGED UP @ 12434'. R/U SWIVEL, BREAK CIRCULATION, CLEAN OUT SAND TO PBTD @ 12905'. CIRC.HOLE CLEAN,
	18:30	20:00	1.50	PRDHEQ	39		Р		R/D SWIVEL. L/D 10 JTS 2 7/8", POOH 70 JTS 2 7/8" EOT @ 10250', SECURE WELL. VENT CSG TO TREATER. SDFW
2/8/2015	6:00	6:00	24.00	PRDHEQ	18		Р		NO ACTIVITY SDFW
2/9/2015	6:00	6:00	24.00	PRDHEQ	18		Р		NO ACTIVITY SHUT DOWN FOR WEEKEND
2/10/2015	6:00	7:00	1.00	PRDHEQ	28		Р		CREW TRAVEL HSM WRITE & REVIEW JSA (TOPIC) BOPE EQUIPMENT
	7:00	13:30	6.50	PRDHEQ	39		Р		CSIP 150 PSI, BLEED OFF WELL, POOH W/ 242 JTS 2 7/8", 2 7/8" X 2 3/8" X-O. L/D 86 JTS 2 3/8", BIT SUB & 3 3/4" BIT, FLUSH TBG AS NEEDED
	13:30	16:00	2.50	PRDHEQ	39		Р		P/U BHA - 5 3/4" SOLID NO/GO, 2 MUD JTS 2 7/8", 5 1/2" PBGA, 2' TBG SUB, PSN, 4' TBG SUB, RIH W/ BHA & 4 JTS 2 7/8", 7" WRTFD TAC, 315 JTS 2 7/8", SET 7" TAC @ 10066'

CENTRAL DIVISION

Date	Time Start-End		Duratio	Phase	Activit	Sub	ОР	MD from	Operation
			n (hr)		У		Code	(ft)	
	16:00	18:00	2.00	PRDHEQ	16		Р		R/D FLOOR & TONGS, N/D 5K BOPE, LAND TBG IN 25K TENSION ON 10K B-FLANGE, N/U FLANGE, INSTALL 75' OF 3/8" CAP TUBE, N/U FLOW LINES, X-O TO ROD EQUIPMENT, VENT CSG TO TREATER, SI TBG, SDFN
2/11/2015	6:00	7:00	1.00	PRDHEQ	28		Р		CREW TRAVEL HSM WRITE & REVIEW JSA (TOPIC) RIGGING UP/ RIGGING DOWN FLUSH TBG W/ 60 BBLS HOT 2% KCL
	7:00	12:00	5.00	PRDHEQ	39		Р		P/U PRIME 2 1/2" X 1 1/2" X 38' 60 RING P.A. PUMP, RIH W/ PUMP, CHANGE BOXES ON WEIGHT BARS, P/U 18-1 1/2" W.B., RIH CHECKING ALL ROD CONNECTIONS W/ 132-3/4", P/U 34 NEW 3/4" RODS, CONTINUE RIH W/ 132-7/8", L/D TOP 5-7/8" RODS, RIH W/ 90-1", L/D 26-1", RUN 26-1" RODS, SPACE OUT W/ 2-2' X 1" PONY SUBS, P/U NEW 1 1/2" X 40' POL. ROD SEAT PUMP @ 10,206'
	12:00	12:30	0.50	PRDHEQ	23		Р		FILL TBG W/ 15 BBLS 2% KCL, STROKE TEST PUMP TO 1000 PSI, GOOD TEST, FLUSH FLOW LINE W/ 10 BBLS
	12:30	14:00	1.50	RDMO	02		Р		R/D RIG, SLIDE IN ROTA FLEX, HANG OFF RODS, TWOTO, MOVE OFF.

CENTRAL DIVISION

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1.1	Customer Information
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2	Summary
2.1	Operation Summary